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HOW TO: Install the Drivers to your PC so you can Flash Firmware to your RK3066 Powered Tablet.

- 1. Inside the "RKBatchTool1.5en" folder you will see a sub folder called "Driver"
- 2. Inside of that folder are two more sub-folders called "32bit" and "64bit"
- 3. The 32bit folder has the Rockchip driver software for various 32-bit Windows operating systems. The 64 bit folder has the same only for 64-bit windows operating systems. If you don't know if you have a 32-bit or 64-bit OS you need to figure that out first. If you have Windows XP, 99.999% of the time it is 32-bit. So that rules that out. Windows Vista and Windows 7 are a mixed bag. For instructions for Vista/7 on how to figure out if you have a 32-bit or 64-bit version of the OS, see our support page: <u>http://www.topnotchtablets.com/support</u> and look under "General" and then "Figuring out if you are running 32-bit or 64-bit Windows"
- 4. Okay, now that you have that figured out, the next thing to do is to actually install the driver. This is a "manual install" process so it might seem a bit mess. I will include screenshots so hopefully everyone can follow along.
- 5. First, grab your RK3066 tablet. You need to know how to put it into "firmware update" mode. For TNT, we currently sell the PIPO Max M1 & the Yuandao N101 II.
 - a. For the Yuandao N101 II
 - i. Shut-down the tablet by holding down power until you get the shutdown prompt. Wait for the tablet to full shutdown then proceed
 - ii. Hold down the "volume +" button and at the same time plug in the USB cable between the tablet and the computer. The computer will ding and tell you it is installing device driver. It most likely won't find the proper driver and will say something like "Device driver software was not successfully installed". That is okay if the device is not recognized or something along those lines. We will get to that next. Your tablet IS in firmware update mode.
 - b. For the PIPO Max M1.
 - i. Get a toothpick or small pin or something with a narrow point that can be used to access the "reset hole" on the back of the tablet.
 - ii. Make sure the tablet is TURNED ON.
 - iii. Plug in the USB Cable between the Tablet and Computer (you computer will recognize it, just ignore it because this isn't what we want yet. Use the port usb port marked "USB" on the tablet. Don't use the HOST port (it won't work).
 - iv. Hold down the "Volume -" button and at the same time use your pin or toothpick to press the "reset" button in that "reset" hole on the back of the device.



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v. The screen will turn off and the computer will ding and tell you it is installing device driver. It most likely won't find the proper driver and will say something like "Device driver software was not successfully installed". That is okay if the device is not recognized or something along those lines. We will get to that next. Your tablet IS in firmware update mode.

	E EN SHITTING IT	IST PETT
Driver Software Installation		8
Device driver software wa	s not successfully installed	
Unidentified Device	XNo driver found	
What can I do if my device did not	t install properly?	
		Close

- 6. Your device is now connected to your computer, it is in firmware update mode, and your computer doesn't recognize it. Now we are ready to manually install the driver for your device.
- 7. This is going to be shown for Windows 7/Vista, if you are on XP it will look a bit different but the concept/process is the same.



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8. Open up the start menu (the start orb, lower left corner) and right-click on "computer" then select "properties" from the menu that pops out.





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9. Select "device manager" from the options on the left.

Control Panel 🕨	System and Security System		← ← Search Con ♪
Control Panel Home	view pasic information	about your computer	NI STA
control runer nome	Windows edition		-
🛞 Device Manager 🥥	Windows 7 Ultimate		\frown
🚱 Remote settings	Copyright © 2009 Microso	ft Corporation. All rights reserved.	
System protection	Service Pack 1		
Advanced system settings			
	System		
	Rating:	68 Windows Experience Index	
	Processor:	AMD Phenom(tm) II X3 740 Process	sor 3.00 GHz
	Installed memory (RAM):	4.00 GB (3.00 GB usable)	
	System type:	32-bit Operating System	
	Pen and Touch:	No Pen or Touch Input is available	for this Display
See also	Computer name, domain, and	workgroup settings	
Action Center	Computer name:	NPC	P Change settings
Windows Update	Full computer name:	NPC	
	ALL STREET ALL STREET AND ALL STREET AND A		
Performance Information and	Computer description:		



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10. Find the "unknown device" on the list and right-click it and select "properties".





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11. Go to the "driver" tab and then select "Update Driver…"

Unknown device Properties	23
General Driver Details	
Unknown device	
Driver Provider: Unknown	
Driver Date: Not available	
Driver Version: Not available	
Digital Signer: Not digitally signed	
Driver Details To view details about the driver files.	
Update Driver To update the driver software for this device.	
Roll Back Driver If the device fails after updating the driver, roll back to the previously installed driver.	
Disable Disables the selected device.	
Uninstall To uninstall the driver (Advanced).	
OK Cancel	



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12. Select "Browse my computer for Driver Software"

1

	ir device, unless you've	disabled this feature	in your device install	r software ation
Brov	se my computer f	or driver softwa	ire	
Locati	and install driver softw	are manually.)



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13. Select "Let me pick from a list of device drivers on my computer"

Browse	for driver software	e on your compute	r	
Search fo	r driver software in this lo	ocation:		
E:\User	Nathan\Desktop\FlashT	ool\Drivers\x86-32bit\wi	n7 👻	Browse
	t me pick from a lis s list will show installed o	st of device drivers driver software compatib	on my compu le with the device	uter , and all driver



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14. Leave "Show all Devices" highlighted and click "next".

Select your device's type from the list below.	
Germinion hardware types:	
Show All Devices	*
🟺 61883 Device Class	=
🔮 ADB Interface	
Number of the second se	
AVC Devices	
🗃 Batteries	
Biometric Devices	
🚯 Bluetooth Radios	
Class for rockusb devices	
🖳 Computer	
👝 Disk drives	
Not the second s	+
A	



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15. Click "Have Disk"

🚱 🧕 Update Driver Software - Ui	nknowr	n Device
Select the device driver Select the manufactu disk that contains the	YOU W rer and driver	vant to install for this hardware. model of your hardware device and then click Next. If you have a you want to install, click Have Disk.
Manufacturer (Enhanced Storage Device) (Generic USB Audio) (Generic USB Hub) (Standard CD-ROM driver)	+	Model
This driver is digitally sign	ed. <u>1 is imp</u>	ortant Next Cancel



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16. Click "Browse"

Install Fro	om Disk	83
~	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	OK Cancel
	Copy manufacturer's files from:	
	A:\	Browse



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17. Locate where you downloaded the installer to. Browse to the "driver" folder and then 32 or 64 bit folder depending on your Windows installation and then the 2000, XP, vista, or win7 folder depending on your OS.





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18. Select the "rockusb.inf" file and hit "open"

Locate File					83
Look in	: 退 win7		•	G 👂 📂 🛄 -	
Per	Name			Date modified	Туре
Recent Places	rockusb.ir	nf		8/20/2012 3:45 PM	Setup Infc
Desktop					
Libraries					
Computer					
Network	•				+
	File name:	rockusb.inf		- <	Open
	Files of type:	Setup Information (*.inf)	-	Cancel



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19. Click "OK"

nstall Fro	om Disk	2
4	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	OK Cancel
	Copy manufacturer's files from:	
	E:\Users\Nathan\Desktop\RKBatchTool1.5en\Dri 👻	Browse



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20. Highlight "RK30 Device" and click "Next".

Select the device driver you want to install for	r this hardware.
Select the manufacturer and model of your hardw disk that contains the driver you want to install, c	ware device and then click Next. If you have a lick Have Disk.
Show compatible hardware	
Model	
RK30 Device	
RK30 Device	
RK30 Device This driver is not digitally signed!	Have Disk



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21. A red warning box will pop up. Click "Install this driver Software anyway"





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22. You will get a success message. Hit "close" and you are done. You can now use the RKBatch software to update any RK3066 device. You have to put each device in firmware update mode first though.

🕝 🗕 Update Driver Software - RK30 Device	×
Windows has successfully updated your driver software	
Windows has finished installing the driver software for this device:	
RK30 Device	
	Close



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HOW TO: Flash firmware to your RK3066 device.

- 23. Put your device in "firmware update mode" (see **step 5** above for instructions if you need them)
- 24. Open the RKbatch tool.

Organize 🔻 🛛 Inclu	ıde in	library 🔻 Share with 🔻 Bu	urn New folder
🚖 Favorites	-	Name	Date modifi
E Desktop		🍶 Driver	9/4/2012 12:
\rm Downloads	=	📕 Language	9/3/2012 7:1
🙆 Google Drive		Log	9/4/2012 1:1
📃 Recent Places		UID	9/3/2012 7:1
		🔄 config.ini	8/27/2012 9:
词 Libraries		pipo_m1_jb_TNT_R1.img	8/30/2012 12
Documents		RKBatchTool.exe	8/20/2012 3:
🔊 Music			
Pictures			



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25. If you properly attached your tablet and it is in firmware update mode and the drivers are installed correctly the tool should show a "green" block where the device is attached.

Firmware Information			
FW Path:			
FW Ver: BOOT Ver:	FW Time: BOOT Time:	Support Chip:	
Connected Devices			
Connected Devices	2	3	4
Connected Devices) 2 6	3	4
Connected Devices) 2 6	3 7	4 8



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26. Press the Ellipses "..." Button.

irmware Information				2
FW Path:			· · · · · · · · · · · · · · · · · · ·	
FW Ver:	FW Time:	Support Chip:		
BOOT Ver:	BOOT Time:			
onnected Devices				
onnected Devices –	2	3	4	
onnected Devices	2	3	4	
onnected Devices 1 2-4-3	2	3	4	
onnected Devices 1 2-4-3 5	2	3	4	
onnected Devices 1 2-4-3 5	2	3	4	
onnected Devices 1 2-4-3 5	2	3	4	
connected Devices 1 2-4-3 5	2	3	4	



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Name	Date modified	Туре
Driver	9/4/2012 12:00 PM	File folder
📕 Language	9/3/2012 7:18 PM	File folder
\mu Log	9/4/2012 1:14 PM	File folder
UID	9/3/2012 7:18 PM	File folder
e pipo_m1_jb_TNT_R1.img	8/30/2012 12:06 PM	Disc Image Fi
<	~ 7	Open

27. Locate your firmware ".img" file. Highlight it and then click "open"



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28. Click the "Restore" Button

Firmware In FW Path:	formation E:\Vsers\Nat	than\Desktop\RKBatch	Tool1.5en\pipo_m1_jb_TN	T_R1.img		
FW Ver: BOOT Ver:	4.0.04 1.11	FW Time: BOOT Time:	2012-08-10 16:26:00 2012-06-26 15:32:00	Support Chip:	RK30	
Loading firm Loading firm	ware ware Finished.					
Connected	Devices					
Connected I	Devices	2		3	4	
Connected I	Devices 1 2-4-3	2		3	4	
Connected I	Devices 1 2-4-3 5	2		3	4	
Connected I	Devices 1 2-4-3 5	2		3	4	
Connected I	Devices 1 2-4-3 5	2 6		3	8	



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29. The block will flash yellow for several minutes. Just wait for it.

FW Path:	E:\Users\Natl	han\Desktop\RKBatcl	hTool1.5en\pipo_m1_jb_Th	TT_R1.img		
FW Ver:	4.0.04	FW Time:	2012-08-10 16:26:00	Support Chip:	RK30	
BOOT Ver:	1.11	BOOT Time:	2012-06-26 15:32:00			
oading firm oading firm	ware ware Finished.					
*********Re **********Re Layer 2-4-3 Layer 2-4-3 Layer 2-4-3	store Action*** store Start To > Test Device : > Test Device : > Lowerformat :	******** tal<1>#*********** Start Success Device Start				
**********Re **********Re Layer 2-4-3 Layer 2-4-3 Layer 2-4-3 Connected E	store Action*** store Start To > Test Device : > Test Device : > Lowerformat : Devices	******** tal<1>***** Start Success Device Start 2		3	4	

30. It will format your device removing all data, and then copy the new firmware to your unit. It will then check the firmware file to make sure it was properly copied. Once that is done, the tablet will take over the process and finish updating itself.



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31. DO NOT DISCONNECT THE TABLET UNTIL YOUR WINDOW LOOKS LIKE THIS:

	formation					
FW Path:	E:\Users\Na	than\Desktop\RKBatcl	hTool1.5en\pipo_m1_jb_TM	TT_R1.img		
FW Ver:	4.0.04	FW Time:	2012-08-10 16:26:00	Support Chip:	RK30	
BOOT Ver:	1.11	BOOT Time:	2012-06-26 15:32:00			
(Layer 2-4-3 (Layer 2-4-3	3> Download ID 3> Reset Devic	B Success				
Layer 2-4-3 Laver 2-4-3	37 Reset Devic 38 Reset Devic	e Success				
Layer 2-4-3	3> Wait For Lo	ader Start				
Layer 2-4-3	3> Wait For Lo	ader Success				
Layer 2-4-3	3> Test Device	Start				
(Layer 2-4-3	3> Test Device	Success				
Layer 2-4-3	3> Download Fi:	rmware Start				
A 040	ND 1 17.					
(Layer 2-4-3 (Layer 2-4-3	3> Download Fi: 3> Report Devig	rmware Success				
(Layer 2-4-3 (Layer 2-4-3 (Lover 2-4-	3> Download Fi: 3> Reset Devic 1> Reset Devic	rmware Success e Start e Success				:
(Layer 2-4-3 (Layer 2-4-3 (Layer 2-4-3 (Layer 2-4-3 ***********	8> Download Fi: 8> Reset Devic 8> Reset Devic estore Done Su	rmware Success e Start e Success ccess(1> Fail(0> Tim	me<140666/ms*********	*		
(Layer 2-4-3 (Layer 2-4-3 (Layer 2-4-3 ************************************	 Download Fi: Reset Devic Reset Devic store Done Su 	rmware Success e Stort e Success ccess(1> Fail(0> Tiu	me<140666>ms*********	Þ		:
(Layer 2-4-3 (Layer 2-4-3 (Layer 2-4-3 (Layer 2-4-3 (Layer 2-4-3 (Layer 2-4-3 (Layer 2-4-3 (Layer 2-4-3 (Layer 2-4-3) (Layer 2-4-3 (Layer 2-4-3) (Layer 2-4-	3> Download Fi: 3> Reset Devic 2> Reset Devic 2= Store Done Su 2= Store Done Su 2= Store Su	rmware Success e Stort e Success ccess<1> Fail<0> Ti	me<140666>ms********	4		**
(Layer 2-4-3 (Layer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3) (1-ayer 2-4-3 (1-ayer 2-4-3) (1-ayer 2-4-3 (1-ayer 2-4-3) (1-ayer 2-4-3 (1-ayer 2-4-3) (1-ayer 2-4-3) (1-a	 Download Fi: Reset Devic Reset Devic Reset Devic Reset Devices 	rmware Success e Stort e Success ccess(1) Fail(0) Ti	me<140666 >ms**********	3	4	
Layer 2-4-3 Layer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3) (1-ayer 2-4-3 (1-ayer 2-4-3) (1-ayer 2-4-3 (1-ayer 2-4-3) (1-ayer 2-4-3) (1-a	 Download Fi: Reset Devic Reset Devic Reset Devic Reset Devic Reset Devic Reset Devic 	rmware Success e Stort e Success ccess(1) Fail(0) Tin 2	me<140666 >ms*********	3	4	-
Layer 2-4-3 Layer 2-4-3 Layer 2-4-3 Layer 2-4-3 Layer 2-4-3 Connected I	<pre>>> Download Fi: >> Reset Devic >> Keset Devic estore Done Su Devices 1</pre>	rmware Success e Start e Success ccess(1) Fail(0) Tin 2	me<140666>ms*********	3	4	-
Layer 2-4-3 Layer 2-4-3 Layer 2-4-3 Layer 2-4-3 Layer 2-4-3 Connected I	<pre>>> Download Fi: >> Reset Devic >> Keset Devic estore Done Su Devices 1</pre>	rmware Success e Start e Success ccess(1) Fail(0) Tin 2	me<140666>ms********	3	4	
Layer 2-4-3 Layer 2-4-3 Layer 2-4-3 Layer 2-4-3 Connected	<pre>>> Download Fi: >> Reset Devic >> Keset Devic estore Done Su Devices 1 5</pre>	rmware Success e Start e Success ccess(1) Fail(0) Tin 2	me<140666 >ms*********	→ 3 7	4	
Layer 2-4-3 Layer 2-4-3 Layer 2-4-3 Layer 7-4-3 **********Re	<pre>>> Download Fi: >> Reset Devic Content Reset Devic estore Done Su Devices 1 5</pre>	rmware Success e Stort e Success ccess(1) Fail(0) Ti 2	me<140666 >ms*********	3	4	
Layer 2-4-3 Layer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3) (1-ayer 2-4-3 (1-ayer 2-4-3) (1-ayer 2-4-3 (1-ayer 2-4-3) (1-ayer 2-4-3 (1-ayer 2-4-3) (1-ayer 2-4) (1-ayer 2-4)	<pre>>> Download Fi: >> Reset Devic >> Heset Devic estore Done Su Devices 1 5</pre>	rmware Success e Stort e Success ccess(1) Fail(0) Tin 2	me<140666 >ms*********	3	4	
Layer 2-4-3 Layer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3 (1-ayer 2-4-3) (1-ayer 2-4-3 (1-ayer 2-4-3) (1-ayer 2-4-3 (1-ayer 2-4-3) (1-ayer 2-4-3 (1-ayer 2-4-3) (1-ayer 2-4-3 (1-ayer 2-4-3) (1-ayer 2-4) (1-ayer	<pre>>> Download Fi: >> Reset Devic >> Keset Devic estore Done Su Devices 1 5</pre>	rmware Success e Start e Success ccess(1) Fail(0) Tin 2	me<140666>ms********	3	4	

32. You can click "exit" and disconnect your device. First boot after a firmware flash might take up to 15 minutes depending on the firmware configuration. We suggest you let your tablet sit for at least 10 minutes even after it appears to be fully booted as there can still be install activity going on.