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Device Operation Manual

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Version: [1.0]

Issued on: June 20, 2012

I. Installation of USB driver under windows XP

1. Unzip android_usb_driver.zip and adb_1.0.26.zip and guarantee there is no Chinese character in the route.

2. Check the "USB debugging" option in the device (route: Settings—>Application settings —>Development, as shown in the figures), open the program Otg mode change to switch to USB device and connect the device to PC through USB cable.



3. PC end will hint new hardware is found and popup the dialog box "Found New Hardware Wizard", select "Install from a list or specific location (Advanced)" and click the "Next" button.



4. Select "Search for the best driver in these locations", check "Include this location in the search:", click the Browse button to introduce usb_driver folder and then click the next button.

5. System will search and install the driver automatically; "Completing the Found New Hardware Wizard" will be displayed after the installation.



6. Open the device manager (route: right click "my computer", select "properties" and click "hardware" tab), newly added Android Composite ADB Interface device (under Android Phone Category), USB Composite Device and USB Mass Storage Device (under "universal serial bus controllers") will be displayed.

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	3
omputer Management (Local)	E A CHINA-7DF35CB72
System Tools	🖃 📑 Android Phone
Event Viewer	🔄 🔄 🗟 Android Composite ADB Interface
🛛 🔁 Shared Folders	🗈 😼 Computer
Local Users and Groups	🕀 🥪 Disk drives
Performance Logs and Alert:	🗄 😼 Display adapters
🔜 Device Manager	DVD/CD-ROM drives
Storage	🗈 🖾 Human Interface Devices
) 🔐 Removable Storage	IDE ATA/ATAPI controllers
- 👺 Disk Defragmenter	🛨 🦢 Keyboards
- 🗃 Disk Management	I Mice and other pointing devices
Services and Applications	Betwork adapters
	🗄 🍠 Ports (COM & LPT)
	主 🐲 Processors
	Sound, video and game controllers Sound, video and game co
	🕀 🥪 Storage volumes
	🗉 🧕 System devices
	🖻 😋 Universal Serial Bus controllers
	Standard Enhanced PCI to USB Host Controlle
	😽 Standard Enhanced PCI to USB Host Controlle
	- 😴 Standard OpenHCD USB Host Controller
	Standard OpenHCD USB Host Controller
	🛛 🚔 Standard OpenHCD USB Host Controller
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	- 😋 Standard OpenHCD USB Host Controller
	- 🕰 USB Composite Device
	🛛 🚔 USB Mass Storage Device
	- 🖨 USB Mass Storage Device
	- 🕰 USB Root Hub
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Note:

1. If yellow question mark is displayed on icons of the above three devices, please right click that device, select "update driver" and perform the above operations again.



2. If other Android device drivers have been installed in the computer, the computer may perform installation automatically rather than popup the hardware wizard dialog box. Under this circumstances, please check whether the device name identified in device manager is identical to the above device name. If not, please click "update driver" to update.

If failed to operate, select "Don't search. I will chose the driver to install" in the dialog box "Please choose your search and installation options".



Click "Have Disk", select the file "andriod_winusb.inf" under usb_driver folder in "Browse" dialog box and then click OK.

Contraction of the Article State of the Article Sta						
Select the device driver you want	to install for this hardware.	Ð	Install From	n Disk		×
Select the manufacturer and mod have a disk that contains the driv	el of your hardware device and then click er you want to install, click Have Disk.	Next. If you	1	set the manufacturer's installation disk ake sure that the correct drive is selec	, and then ted below.	DK.
Model						
Android Composite ADB Interface						
			C	opy manufacturer's files from:		_
			A	cV.	Bro	W10
	20 ST	1				
Tell me why driver signing is important		Have Link				10
		Locate File	_			18
	CBack Next>	Look in:	My Docum	ents 👻	0000	
	Standard OperACD USB H Standard OperACD USB H Standard OperACD USB H Standard OperACD USB H Standard OperACD USB H USB Composite Device USB Mass Strange Device USB Mass Strange Device USB Rost Hub	My Recent Documents Desktop	My Music My Pictures			
	USB Root Hub USB Root Hub USB Root Hub USB Root Hub	My Documents				
	USB Root Hub USB Root Hub USB Root Hub USB Root Hub	My Documents My Computer	File name:	(att)		Open

II. ADB configuration under windows XP

adb command can be run by entering the route of adb_1.0.26 folder through command line, or write the route into environment variables, so that adb can be run in any route. Method of configuring environment variable is as follows:

System Res	store	Automa	atic Updates	Remote
General	Comput	er Name	Hardware	Advanced
ou must be lo ^p erformance Visual effects	ogged on as a	an Administra scheduling, m	tor to make most of emory usage, and v	these changes.
			, l	Settings
Jser Profiles				
Desktop setti	ngs related ti	o your logon		
			l	Settings
Startup and F	ecovery			
System startu	ip, system fai	ilure, and deb	ugging information	
			ſ	
			l	Settings
	Env	vironment Vari	ables Error	r Reporting

1. Right click "my computer", select "system properties", click "advanced" tab, click "environment variables" button to open the dialog box of environment variables.

2. Select the variable "PATH" in "System variables" and click the "Edit" button below.

variable	Value	
TEMP	%USERPROFILE%\Local Settings\Temp	
TMP	%USERPROFILE%\Local Settings\Temp	
		e
vstem variables		
vstem variables Variable	Value	~
vstem variables Variable OS	Value Windows_NT	^
vstem variables Variable OS Path	Value Windows_NT D:\WINDOWS\system32;D:\WINDOWS;	
vstem variables Variable OS Path PATHEXT	Value Windows_NT D:\WINDOWS\system32;D:\WINDOWS; .COM,.EXE,.BAT;.CMD;.VBS;.VBE;.JS;	
Variables Variable OS Path PATHEXT PROCESSOR_A	Value Windows_NT D:\WINDOW5\system32;D:\WINDOW5; .COM;.EXE;.BAT;.CMD;.VB5;.VBE;.J5; AMD64	
Variables Variable OS Path PATHEXT PROCESSOR_A PROCESSOR_ID	Value Windows_NT D:\WINDOW5\system32;D:\WINDOW5; COM; EXE; BAT; CMD; .VB5; .VB5; .J5; AMD64 AMD64 Family 16 Model 6 Stepping 2, A	

3. Add the route of adb_1.0.26 folder in the route for "Variable value". Note: the route added shall be separated from the existing route with semicolon under English half-angle.

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System Restore	Automatic Updates Remote
ronment Vari	ables ? ≥
dit System Va	riable ? 🗙
Variable name:	Path
Variable value:	Tools/binn/vDv/attachment (6)/adb 1.0.26
	OK Cancel
uctem variablec	OK Cancel
rstem variables Variable	OK Cancel
rstem variables Variable OS	OK Cancel
rstem variables Variable OS Path	OK Cancel Value Windows_NT D:\WINDOW5\system32;D:\WINDOW5;
vstem variables Variable OS Path PATHEXT	OK Cancel Value Windows_NT D:{WINDOWS\system32;D:\WINDOWS; COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;
vstem variables OS Path PATHEXT PROCESSOR_A PROCESSOR_ID.	OK Cancel Value Windows_NT D:\WINDOW5\system32;D:\WINDOW5; COM;.EXE;.BAT;.CMD;.VB5;.VBE;.J5; AMD64 AMD64 AMD64 AMD64 AMD64 Banily 16 Model 6 Stepping 2, A
vstem variables Variable OS Path PATHEXT PROCESSOR_A PROCESSOR_ID.	OK Cancel Value Windows_NT D:\WINDOW5\system32;D:\WINDOW5; .COM;.EXE;.BAT;.CMD;.VB5;.VBE;.J5; AMD64 AMD64 Family 16 Model 6 Stepping 2, A

4. Open the command line (click start – run, input cmd and click OK button), click adb version to check whether the version of adb is 1.0.26. If not, please check whether the relatively previous version adb route is included in the environment variables, delete the route if it exists. Input adb devices, if device is identified and displayed, it means adb is well configured.



5. After the adb is well configured, the device can be operated through commands. Input "adb shell" and press "enter" button to enter shell environment of the device. In this Linux Shell, you are able to execute various kinds of Linux commands.

Operation Introduction to Demo Application

Version: [1.0] Issued on: June 20, 2012

Contents

I.	Import	t of projects into eclipse	1
II.	Introd	luction to Demo	2
	2.1.	Operation introduction to MotionDemo	2
	2.2.	Operation introduction to ReadCard	2
	2.3.	Operation introduction to GPIO Demo	3
	2.4.	Operation introduction to IClass	4
	2.5.	Operation introduction to NewHIDDemo	5
	2.6.	Operation introduction to NewWiegenDemo	5
	2.7.	Operation introduction to Otg mode change	5

I. Import of projects into eclipse

1. Open eclipse, click the files menu, select "import", in the displayed dialog box, select "Existing Projects into Workspace" under "General" and click "next".

Select an import source: type filter text General Call File System File System CVS Proferences CVS Plug-in Development Run/Debug
☞ Tasks ☞ Team ☞ XML

2. Select "Select root directory", click "Browse" to introduce the route of application program and then click "Finish" to complete the import of projects.

mport Projects Select a directory to sea	rch for existing Eclipse projects.	
 Select root directory: Select archive file: 	D:\androidproject\MotionDemo	Browse Browse
V MotionDemo (D:	androidproject\MotionDemo)	Select All Deselect All Refresh
Copy projects into wo Working sets Add project to work Working sets:	orkspace ing sets	r) Select

II. Introduction to Demo



2.1. Operation introduction to MotionDemo

1. Open the app list (click the app list button), find Motion Demo application, click the icon to enter into application program interface.

2. If it remains initial settings, card swiping motion can be tested when opening the surface. It is recommended to set the sense level as high and set the time threshold value which judges sense motion as 100ms.

3. Click the drop-down list box of sense level display, different levels are displayed and then click the wanted level to set the sense level. After the level is set, card swiping motion can be tested.

4. Click the drop-down list box of time threshold value which judges sense motion and different times are displayed and then click the wanted time to set the time threshold value which judges sense motion. After the time is set, card swiping motion can be tested.

2.2. Operation introduction to ReadCard

🔛 📶 🚱 08:23	ł
ReadCard	
	1
Setup	
Enter	l
	1
Loopback	
About	
	l
Quit	

1. Click the icon of ReadCard application program to enter into the application program interface.

	🔛 📶 🛃 08:29
Serial port setup	
Device	
Baud rate	0
Card_type	٢

2. Click "setup" button and the following interface will be popped out:

3. Click device and select "ttys2 (serial) ".

If the device installs ID card module, select "9600" for "Baud rate" and select "ID" for "card_type";

If the device installs MF card module, select "115200" for "Baud rate" and select "MF" for "card_type";

If the device installs LEGIC card module, select "115200" for "Baud rate" and select "LEGIC" for "card_type";

Press the return button after setting to go back to application program interface.

4. Click "Enter" button, enter into card swiping interface and swipe the card. Press "quit" button to quit.

2.3. Operation introduction to GPIO Demo

1. Click the icon of GPIO Demo application program to enter into the application program interface.



2. Anti-dumping alarm status is displayed at the first item in the application program interface. When the anti-dumping alarm switch in rear of the machine is pressed, this item will display "(on)", which means alarm is triggered.

3. The second item in the application program interface is used to operate LED RED. When this button is pressed, the button turns red and LED RED is on; when this button is pressed again, LED RED will be off automatically.

4. The third item in the application program interface is used to operate LED GREEN. When this button is pressed, the button turns red and LED GREEN is on; when this button is pressed again, LED GREEN will be off automatically.

5. The fourth item in the application program interface is used to display the door sensor status, for the color of that button will change with the change of door sensor status.

6. The fifth item in the application program interface is used to display the out switch status, for the color of that button will change with the change of out switch status.

7. The sixth item in the application program interface is used to control the lock status, when the button is pressed, the relay will make the lock at " (on) " status, when the button is pressed again, the lock will be at " (off) " status.

2.4. Operation introduction to IClass

1. Click the icon of IClass application program to enter into the application program interface. Open serial port success will be displayed.

2. When swiping card in card wiping area, card number will be displayed and when the whole screen is occupied, screen will be cleared automatically.

2.5. Operation introduction to NewHIDDemo

1. Click the icon of NewHIDDemo application program to enter into the application program interface.

2. When swiping card in card wiping area, card number will be displayed.

2.6. Operation introduction to NewWiegenDemo

1. Click the icon of NewWiegenDemo application program to enter into the application program interface.

2. Default as Weigen26, connect Weigen26 read head to bottom left in rear of the machine; when swiping card in card wiping area, card number will be displayed.

3. Connect Weigen34 read head to bottom left in rear of the machine, click Weigen26 bit to convert into Weigen34; when swiping card in card wiping area, card number will be displayed.

2.7. Operation introduction to Otg mode change

1. Click the icon of Otg mode change application program to enter into the application program interface.

2. Click the button to switch the status of usb interface (status includes usb device and usb host).

When usb interface is in usb device status, usb interface can be used for program debugging;

When usb interface is in usb host status, usb interface can be connected with usb disk.

2.8. FCC Statement

This device complies with Part 15 of the FCC Rules. Operation

is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE:

The manufacturer is not responsible for ANY interference, for example RADIO or TV interference, caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does

cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- -- Reorient or relocate the receiving antenna.
- -- Increase the separation between the equipment and receiver.
- -- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- -- Consult the dealer or an experienced radio/TV technician for help.