



This user guide is for reference, see the actual product!

JEHE will do their best to ensure the accuracy and completeness of this manual, but they will not guarantee there is no error in this manual since the product may upgrade in future. JEHE will not guarantee any typographical errors in this manual or be responsible for any misunderstanding by users. JEHE may make changes to the specifications and product descriptions at any time without further notice.

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Product parameters

ARM Digital signage SPEC											
	Giada Q30	Giada Q30W	Giada Q30D								
	RockChip RK3188	RockChip RK3188	RockChip RK3188								
CPU	ARM ® Cortex ™ -A9	ARM ® Cortex ™ -A9	ARM ® Cortex ™ -A9								
	Quad-Core 1.6GHz	Quad-Core 1.6GHz	Quad-Core 1.6GHz								
GPU	ARM Mali-400 MP4,Open GL2.0	ARM Mali-400 MP4,Open GL2.0	ARM Mali-400 MP4,Open GL2.0								
OS	Android™ 4.2&4.4	Android™ 4.2&4.4	Android™ 4.2&4.4								
Memory	DDR3 2GB RAM	DDR3 1GB RAM	DDR3 2GB RAM								
010.000	8GB Nand Flash	8GB Nand Flash	8GB Nand Flash								
Storage	TransFlash Card,32GB MAX	TransFlash Card,32GB MAX	TransFlash Card,32GB MAX								
HDMI	HDMI1.4 (Support 1080P)	HDMI1.4 (Support 1080P)	HDMI1.4 (Support 1080P)								
Natural	WiFi+ BT+3G(Optional)	WiFi+ BT	WiFi+ BT+3G(Optional)								
Network	100MB/S(RJ45)+IR	100MB/S(RJ45)+IR	100MB/S(RJ45)+IR								
	1*DC IN (12V/2A)	1*DC IN (12V/2A)	1*DC IN (12V/2A)								
	1*RJ45	1*RJ45	1*RJ45								
	1*HDMI	1*HDMI	1*HDMI								
	1*TF Card Reader	1*TF Card Reader	1*TF Card Reader								
	1*3.5mm Earphone	1*3.5mm Earphone	1*3.5mm Earphone								
I/O Port	3*USB 2.0 (1* OTG&HOST)	3*USB 2.0 (1* OTG&HOST)	3*USB 2.0 (1* OTG&HOST)								
	1*Mini-PCIE		1*Mini-PCIE								
	(Only supports 3G module)		(Only supports 3G module)								
	1*SIM		1*SIM								
			1*COM								
HW Key	Power, Burning, Recovery	Power, Burning, Recovery	Power, Burning, Recovery								
Antenna Port	1*Wi-Fi /BT +1*GPS +1*3G	1*Wi-Fi /BT	1*Wi-Fi /BT +1*GPS +1*3G								
BAT-CMOS	3.3V RTC Wake Up	3.3V RTC Wake Up	3.3V RTC Wake Up								
Operating	0°C~40° C	0°C~40°C	0°C~40° C								
temperature											
Certification	CCC,CE,FCC	CCC,CE,FCC	CCC,CE,FCC								
Size	130X128.5X26MM	130X128.5X26MM	130X128.5X26MM								

Note: Different models, different parameters, please prevail in the kind!

1:Quick Installation

1-1:Interface description



Position	lcon	Description	Usage
1)		DC-IN	Connect the power adapter
10211		Wifi/GPS/3G ANT	Receive Wifi/GPS/3G signal
3	HDMI	HMDI Port	Connect the HDMI digital monitor
(4)	品	RJ45 Port	Connect the network
512	¢	USB2.0 Port	Connect USB devices
6	🖸 Micro 🖘	Card reader	TF data memory card
7	ч]• ∕отс	USB2.0/OTG Port	Connect USB devices, OTG & host function Interface
8	0	earphone/SPDIF	Connect earphone/SPDIF
9	MIC	MIC	Build-in MIC
(13)		LED	Computer work state
(14)		Power button	Power ON / OFF the computer
(15)		VCA 8COM Port	Connect VGA analog Monitor or Connect the serial
			port equipment
(16)	BURN	Burn button	System ROM Burning button
(17)	REC	Recovery button	Restore factory default
(18)	СОМ	COM	Connect COM serial communication device

Note: Correct specifications depend on the actual models, all specifications are subject to change without prior notice.



1-2:Connecting devices











When Connecting the power adapter, the green LED light will be on, press power button, the Red LED light is on and the host system will automatically boot.

1-3:Installation2G/3G/4G Module

1-3-A:Open the shell

Remove the two screws at the bottom of the machine, you can tear down the shell; As shown one after

the open



one

1-3-B:Installation SIM:

In Figure Two ,Open in the direction of the arrow SIM snaps,As shown in Figure Three,In Figure Four,Insert the SIM card and the cover snaps,According to LCOK direction lock snaps,As shown in Figure Five.







Three



Four



Five

ARM digital signage System user guide

1-3-C:Installation2G/3G/4G Module:

Step 1 Insert the Mini PCIe 2G/3G/4G Module into the Mini PCI Express connector on the main board.



Step 2 Press downwards to fix the Mini PCIe 2G/3G/4G Module in the module slot.



Step 3 Use a screwdriver to fix the Mini PCIe 2G/3G/4G Module on the main board with one screws provided in the Mini PCIe packing box.



Step 4 Insert the connector of the main antenna into the MAIN antenna interface (M) of the Mini PCIe Adapter according to the indication on the label of the Mini PCIe 2G/3G/4G Module.



NOTE:

- Do not press or squeeze the antenna cable or damage the connectors. Otherwise, the wireless performance of the Mini PCIe 2G/3G/4G Module may be reduced or the Mini PCIe 2G/3G/4G Module cannot work normally.
- Ensure that the antenna cables are routed through the channel in the frame of the PC and do not lay the cables across the raised edges of the frame.
- Mobile networks Settings connecting method : <u>11-5:Mobile networks Settings</u>

1-4:System restore

1-4-A:Recovery:

Note: Recovery operations, the Data partition data will be restored. In order to protect your data from loss, when the System Recovery, when installing APK or writing data, please do not write into the / Data partition!

When the ARM PC system can not enter the system, you can manually restore the system. A: Under ARM PC powered off, press and hold the Recovery, power on, press and hold the Recovery, until the following interface.



B: Recovery can loosen when the above screen appears, Press the Recovery again, the following screen appears, hit the ↑↓ button in the keyboard or choose 'wipe date/ factory reset' by a remote controller to confirm and enter to the next step, choose 'deleted all user date', it will enter the system recovery automatically, the / Data partition data will be restored, the other partition data will be retained.



1-5:System Burning:

Note: It will format the whole Flash space, if the new system is going to be burning, Please make a backup before burning!

1-5-A:RKDevice Manage installation:

A: Unzip or extract RKDeviceManage V1.7_EN.rar, enter RKDeviceManage V1.7 folder, then run "RKDeviceManage V1.7 EN.exe", it will show following interface;



RKDeviceManage v1.7
Rockchip _{瑞芯微电子} No Found any Devices
Firmware Information
FW Ver: Loader Ver: Support Chip:
Device Information
System Ver: N/A Loader Ver: N/A Chip Type:
00:00
Language Upgrade Restore Exit

B: click , choose firmware file for system burning, then click[open] to continue;

Rock 瑞	chip ^{故微电子}	No	Found	any Dev	ices
Firmware Info	ormation				
G:\update\CA	\Q30 JHS553	-10_EN\Q30_J	£553-01_R1_V	/422_20140108_	P004
FW Ver:	4.1.01	Loader Ver	2.09	Support Ch	nip: RK31
System Ver:	N/A	Loader Ver	N/A	Chip lype	e:
00:00					
Langua	ane	Upgrade	Rest	ore	Fxit

C: Cut off power supply of ARM PC, connecting ARM PC and windows PC via USB cable. (Note: the USB cable must be linked to ARM PC's USB OTG interface. For more details of ARM PC's interfaces, please check [1-1:Interface description]).

D: Please plug-in power adapter to ARM PC (do not power off during system burning). During system burning, please ensure power supply stably. Press and hold button [BURN], then power on ARM PC. RKDeviceManage will automatically identify devices. (If the driver has not been installed, then an interface will pop up for driver installation like [1-5-B:USB Driver installation]), click [Upgrade] and [Yes] to continue system burning. It will take roughly 3 minutes to finish system burning. The dialog "Upgrade OK" will pop up after system burning finished. Click [OK], at this point, ARM PC will automatically reboot, then system upgrade successfully.

RKDeviceManage v1.7	RKDeviceManage v1.7
Rockhip 端芯微电子 Firmware Information	Rockchip _{瑞芯微电子} Found One LOADER Device
G:\update\CA\Q30 JHS553-10_EN\Q30_JHS553-01_R1_V422_20140108_F004.	
FW Ver: 4.1.01 Loader Ver: 2.09 Support Chip: RK31	
Device Information	Subsequent operations will make your data lose,please backup your data ,do you want to continue?
	Yes (Y) No 'N
00:00	00:00
Language Upgrade Restore Exit	Language Upgrade Restore Exit

RKDeviceManage v1.7	🖗 RKDeviceManage v1.7
Rockchip _{瑞芯微电子} Found One LOADER Device	Rockchip _{瑞芯微电子} No Found any Devices
Firmware Information	Firmware Information
G:\update\CA\Q30 JHS553-10_EN\Q30_JHS553-01_R1_V422_20140108_P004.	G:\update\CA\Q30 JHS555 to put on put on pt uses of 140108_P004.
FW Ver: 4.1.01 Loader Ver: 2.09 Support Chip: RK31	FW Ver: 4.1.01 pport Chip: RK31
Device Information	Device Information Upgrade OK
System Ver: N/A Loader Ver: N/A Chip Type: RK31	System Ver: N/A chip Type:
Download Image Total(407445K),Current(10339K)	ОК
00:05	00:00
Language Upgrade Restore Exit	Language Upgrade Restore Exit

1-5-B:USB Driver installation

Giada 📃

If you have not installed ARM PC USB driver on Windows PC, USB driver installation dialog will pop up. Enter "Control Panel" then select "Device Manager". Interface will appear as following:



Select "Other devices-Unknown device" right click to select "Update Driver Software" as following:



Select "Browse my computer for driver software", Click [Browse...], find corresponding driver for different systems under document RKDeviceManage V1.7>Driver, click [Next] and [Install] to continue as following:





Then system start to install driver automatically till installation is completed.



1-5-C:ARM Digital Signage Interface



1-6:Enable USB debugging:

Step 1: Boot up your ARM based PC, use OTG type USB cable to connect with your PC with PC's USB-OTG connector.

Step 2: Windows will pop up a message to identify with a new hardware.

Step 3: Change settings on your ARM PC to enable USB debugging.

- A: Settings>security>USB-OTG Settings disable $\sqrt{}$
- B: Settings>Developer options>USB debugging enable $\sqrt{}$ as below:



0.9.0 .		16:00	0 2 0 8		06.01
to Seculty			2 Developer options		
More.			More.	The second	
DEVER.	PASSWEEDS		texte.	1 May 1 Mg 1 Mg 2 Mg 2 Mg 2 Mg 2 Mg 2 Mg 2 Mg	
🕈 usa	Make passwords visible	×	🕈 usa	Desktop beckup pastword bedrachshalter and the severity provided	
41 Sound			€t Sound	Start moder	
O Display	Device administration View or inscitute device administration		O Display		
D Screenshorstening		Π	I ScreenshotSetting	Scheen Auto Hotadon Chable server sets stanfor.	
E Storage	Aller KAMANDE O ANGE TER LANGANG MALIN		E Storage	Solect nutrime -	
C Appe		2	Appen	HDCP checking	
PERSONAL			PERSONAL		
Location	Storcige type market er fasthet		Location	Enable Blacksoch HCI enogs log Option all Investor HCI pacters in a fer	
🕒 Security	Trusted confertials		Security	Process Stats	
Language & input	methil from \$0 and		Language & input		
Clacksp & reset			O flackup & reset	USD defaultions	
42004975			ALCOUNTS		
+ Addaccount	USER TERMINONE PROCEAU		+ Addaccount	Power mensi buganporta include poter in power messi in teleng a log report	
SVETEM	User Experience Program	and the second se	SYSTEM	Alternet Instant	
(C) Date & lime			() Date&line		
🏶 Accessibility	AZZESBUTY Institut power (n)	100	🔹 Accessibility	Select debug app No debug systemet	
🖨 Pastag			Pretog		
() Develope options		<u>11</u>	O Developer options	Sensitive descent of periods and sensitive descent of	
③ About tablet			About tablet	Owk east outplief as 128/727 Terrary/Allaberree	
	() a n a a a 🛪 🗢			() a = a = a = 2	

Step 3: Install ADB driver

Enter "Device manager:to install Adb driver as follows.









Step 3: Enable ADB

Copy adb.exe、AdbWinApi.dll、AdbWinUsbApi.dll 3files under "RockChip\adb_4.04\tools"to C:\Windows\System32 and C:\Windows\System.

Verify ADB: Under MSDOS, type CMD>adb shell root@andriod:/#, if below picture has appear, then it is correct.



2:The main interface

Boot up and Enter into the system, you can see the main interface, Click enter the application's main interface;



3:Alarm Clock Settings



to enter into the main interface of alarm clock setting;

< Alarms									-	+	:
8 :30) ^{am}									OFF	
MON, TUE, WED,	THU, FRI										
9 :00) ^{am}									OFF	
SAT, SUN											
\rightarrow	\Box	$\widehat{\Box}$									

4:Timer ON/OFF, sleep / wake up settings



Click [Timer] button to enter into time setting, You can set below options: open time, Close time, Sleep time and awake time. (Support7*24h)

Timer		09:38										
	Öpen tin			Close time								
08:30	6 Monday	Tuesday	Wednesday	Thursday	Friday							
			New	v								
							9 G	<i>d</i> ð 9:38				

Timer					09:38	}					\leftarrow
			New tim	ier		Save	Close time Save Cancel				
0 08:30	-i Mo				+ +						(ii)
				_		_					
Tab		-	÷		1	2	3		×		
		*	/		4	5	6		Done		
		()	=	7	8	9				
苹					*	0	#				
											gil 9:38

5:Play Music



to enter into the main interface of the music player, This will automatically

scan the audio files stored on device, Click on the single music listed then music will play.

		٢	5	1	$\mathbf{igstyle}$
	Artists	Albums	Songs	Playlists	Now playing
	he Best Damn Thing				
	Diamonds				
	lilto Boy a Borix				
	Ausic dele				
MERCYME	Velcome to the New				
	and the second s				
÷					O A 4 🖾 📾 8:48



☆Supported audio formats: acc, ape,flac,mp3,ogg,wav, amr,m4a,m4r.

6:Play video, Boot play video settings



A:Click [Movie Player] to enter into the main interface of the video player, This will automatically scan the video files stored on device, Click on the single file then video will play.



B:Click to enter the main interface of the Boot play video settings, There are three options of "Cancel auto play", "Play media store recycle", "Play single video recycle";



☆Supported video formats: asf/avi/flv/mov/mpeg1/mpeg2/mpg/ ts/vc/wmv/wmv9/3qp/mkv/mp4.

7:Gallery



Click [Gallery] to enter into the main interface of the gallery, This will automatically scan all picture files stored on device. Click a picture then browse it.





Click [Browser]

8:Webpage browsing



to enter into the main interface of the webpage browser. System will automatically open homepage. Homepage can be setting according to your own preferences;



9:File Manager



to enter into the main interface of the browser file manager, You can

manage the file or folder, such as copy, name changes, etc;





6 2

10:Check the program running in the background

Click ,Will show the program running in the background,Slip up can off the selected program.



11:System Settings



to enter into the main interface of the system settings, You can simply set

system.

Click [Settings]

🚱 Settings		()	+ :
WIRELESS & NETWORKS			
🗢 Wi-Fi 📃 ON	JEHE_29	- 	
8 Bluetooth	Secured with WPA		
O Data usage	Giada Secured with WPA2 (WPS available)		
More	GMOAirPort Secured with WPA2	\$	
DEVICE			
M Sound			
Display			
🔲 Hdmi			
E Storage			
🖄 Apps			
PERSONAL			
Location access			
Security			
	0	A 4 🖾	øi 9:32 ♡ 🕽

11-1:Wi-Fi Link

Click "Wi-Fi" you can turn ON/OFF Wi-Fi, when turn ON Wi-Fi, system will automatically scans the available Wi-Fi networks, Click the Wi-Fi names, enter the password to connect network.

🛞 Set													65	
	WIDEL FCC 8	NETWORKS			Giada									
		NL I HORKS			Signal st Security	rength	Poor WPA2 PSK							
	🛿 Blueto				Passwor	d								
	🕚 Data i						Show pass	word						
					Show	advanced opti	ons							
						Cancel								
-	ound 🕴	1			_			_				_		
Tab	q		W	е		r	- t -	у		u	i	0	р	
?123		а		s	d	f	g		h	j	k	1		Done
	ۍ	z		x	c		v	b	n	m	,		?	¢
	밝			/			Engli	sh (US)				-		-)
\rangle	\Box		$\widehat{\Box}$	\square										9:33 🛇 🕄



11-2:Bluetooth

Click "Bluetooth" you can turn ON / OFF Bluetooth to pair with other Bluetooth devices.

🏵 s	Settings			ING
	WIRELESS & NETWORKS Wi-Fi Bluetooth Data usage More DEVICE Image DEVICE Image Display Image Hdmi Image Storage Apps PERSONAL Image Location access Image	Bluetooth	0	
Ĵ			11 35	9:33 🛇 🛿

11-3:Portable hotspot

Select "More"—" Tethering & portable hotspot", you can open Internet sharing and portable hotspot function. You can turn On Protable Wi-Fi hotspot, Click "Set up Wi-Fi hotspot" you can set network name (SSID) and password according to your requirement.

🛞 Set	tings		
	WIRELESS & NETWORKS	Wireless & networks	
	Wi-Fi OFF Bluetooth ON	VPN	
	🕚 Data usage	Portable hotspot	
	More	Ethernet	
	DEVICE 	Mobile networks	
	O Display		
	🔲 Hdmi		
	Storage		
	🛃 Apps		
	PERSONAL		
	Location access		
	Security		
Ĵ			10:00

🛞 Se	ettings		Set up Wi-Fi hotspot						N	etwork	SSID					
WIRELESS & NETWORKS					Network SSID AndroidAP								~			
S Bluetooth					Security WPA2 PSK								Access password			
() Data usage					Password											
					Sh	Show password										
Tab	Sound		147		•	Ca	ncel		v	Sav	e	;			n	
	4	-		4	e				y		u		1		μ	
?123		а	L	S	d	4	f	g	h		j	k	_			Next
	ۍ	z		x		c	v	b		n	m		•		2	¢
	벼			1	0			English	(US)					:->>		:-)
\rangle				□)												e 🔿 10:01 😫

11-4:Ethernet

select "More"- " Ethernet", You can access network with an external RJ45 Ethernet

🛞 Set	ttings		
	WIRELESS & NETWORKS	Wireless & networks Ethernet	
	Wi-Fi OFF	Use Ethernet Unconnected	
	Data usage	IP address 0.0.0.0	
	More	MAC address 00.00.00.00.00.00	
	W Sound	Static IP Setttings	
	Display		
	🔲 Hdmi		
	🖀 Storage		
	🛃 Apps		
	PERSONAL		
	Cocation access		
	A Security		
Û			🗇 👩 10:06 윌

11-5:Mobile networks Settings

Click "More"—"Mobile networks". If you have installed the 3G module and SIM card, Check "Data enabled", and click "Network operators" –"Choose automatically". Will automatically search for the corresponding mobile 3G network and dial up connections



🛞 Se	ttings			
		Mobile network settings		
	🗢 Wi-Fi	Deta anablad		
	8 Bluetooth	Enable data access over Mobile network		
	🕚 Data usage	Data roaming Connect to data services when roaming		
		Access Point Names		
	🗘 Display	Network operators Choose a network operator		
	🗖 Hdmi			
	📰 Storage			
	🖉 Apps			
	🔒 Security			
\rightarrow				10:07 8

Note: Please check 3G module support list in the official website

11-7: Display Settings

Click "Display" enter into display setting, You can set your desktop wallpaper, font size, wireless display, the default orientation of screen.

🛞 Settings		brightness, contrast
WIRELESS & NETWORKS		and saturation setting
♥ Wi-Fi OFF	Wallpaper	
Bluetooth Data usage	Font size Normal	
More	Wireless display Disabled	
 ⊕ Sound	Default Screen Orientation	
Display		
🗖 Hdmi		Screen Rotation
E Storage		
🛃 Apps		
PERSONAL		
Location access		
Security		
		🗟 🗛 🦞 🎲 🗐 10:13 윌

11-7-A:Wi-Fi Display

The wireless display feature is enabled automatically in Wi-Fi open state, otherwise disabled. If your device supports the Wi-Fi Display (Wireless Display) function, you can search for and connect to the

🛞 Settings Display | Wireless display WIRELESS & NETWORKS 🗢 Wi-Fi OFF Bluetooth ON O Data usage More... DEVICE 🜗 Sound Display 🔲 Hdmi 🧮 Storage 🛃 Apps PERSONAL Location access Security 🗟 🔺 🖞 🗇 👩 10:18 🕼 d) \bigcirc Ū

device by the the menu or the application interface Wi-Fi Display

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K WiFiDisplay	
WIFIDI Andro	SPLAY
3	搜索
Available Devices	Paired displays
	ቀ 🗇 🛤 🖪 3:46 📿 🕄

11-7-B:Default Screen Orientation

This option can set the direction of rotation of the screen, the Setting values can be 0°C/90°C/180°C/270°C.

🚱 Settings	
WIRELESS & NETWORKS	
🗢 Wi-Fi OFF	
Bluetooth Default Scree	Orientation
O Data usage	
More	
DEVICE 90	
180	
O Display	
Hdmi 270	
Storage	Cancel
🖾 Apps	
PERSONAL	
Location access	
Security	

11-8:HDMI Settings

Click "HDMI" Into the HDMI interface configuration settings, You can set the HDMI output resolution, screen zoom.

HDMI Resolution: HDMI output resolution to match your monitor automatically, The maximum supported resolution is 1920 * 1080.

🛞 Settings				
		HDMI Resolution		
WIRELESS & NETWORKS		1920x1080p_50Hz	O.	
🗢 Wi-Fi Off	HDMI Besolution	1920x1080p_60Hz	•	
8 Bluetooth		1280x720p_50Hz	o'	
O Data usage	Screen Zoom	1280x720p_60Hz		
More		720x576p_50Hz	01	
		720x480p_60Hz	oi.	
DEVICE		Cancel		
🕪 Sound				
Display				
📕 Hdmi				
Storage	Screen Zoom	Screen Zoom		
🛃 Apps				
PERSONAL				
Location access	Cancel	ок		
Security				
			27 🕄	

Screen Zoom: This option can adjust the screen to full screen.

11-9:Storage Administration

Click "Storage" enter into Storage administration interface .you can Check out and manage the storage

space.



11-10: Apps Administration

Click "Apps" enter into apps Administration interface, You can uninstall and move third-party

applications.

🛞 Se	ttings		:
	WIRELESS & NETWORKS	Apps	
	🕏 Wi-Fi OFF		ON SD CARD
	Bluetooth	Adobe Flash Player 11.1	
	Data usage	4.67MB	
	More	应用宝 8.32MB	
	DEVICE		
	الله Sound الله الم		
	Display		
	🗖 Hdmi		
	E Storage		
	PERSONAL		
	Location access		
	A Security	Internal storage	873MB free
÷			Ý 🛜 🏠 🛤 10:33 👂
w se	WIRELESS & NETWORKS	Apps App info	
	🗢 Wi-Fi OFF		
	Bluetooth	Adobe Hash Player 11.1 version 11.1.115.11_120927	
	Data usage	Force stop	Uninstall
	More	Show notifications	
	DEVICE	STORAGE	
	্রিগ Sound	Total App	4.67MB 4.67MB
	Display	USB storage app	0.00B
	🗖 Hdmi	Data SD card	0.00B 0.00B
	E Storage		
	Apps	CACHE	
	PERSONAL	Cache	0.00B
	October 2015 Control of the second		
	▲ Security		
~			e 🛜 🗘 🛤 10:33 👂

11-11:Location information access

Click "Location access" you can enable or disable location services, positioning includes GPS, Wi-Fi and mobile networks.

🛞 Set	ttings		
Set Set	Hings	Location access Access to my location Let apps that have asked your permission use your location information LOCATION SOURCES Wi-Fi & mobile network location Let apps use Google's location service to estimate your location faster. Anonymous location data will be collected and sent to Google.	
	▲ Security		
Û			10:34 😫

11-12:Security Settings

Click "security" to control the installation of third-party applications AND certificate. Close or open automatically boot function when reset power (When the device connected to power, system will automatically boot) and USB-OTG&USB-HOST function ON/OFF.





🛞 se	ettings						
	Bluetooth		OFE				
	🕔 Data usage						
	More			PASSWORDS	s		
	DEVICE			Ma	ake passwords visible		
	M Sound			DEVICE ADM	IINISTRATION		
	Display			De	vice administrators		
	🔲 Hdmi			Lin			
	📰 Storage			Allo	ow installation of apps from unknown sources		
	🛃 Apps			Ver Dis	rify apps allow or warn before installation of apps that may cause harm		
	PERSONAL		G1 1		DRAGE		
	Location access		Closed or oper	n the	d credentials		
	Security		boot on power	-on	from SD card	USB-OTG&US	SB-HOS
	A Language & input			_	ertificates from SD card	T function swit	ch
	Backup & reset						
	ACCOUNTS			ACCESSIBIL	y		
	+ Add account			bo	ot on power on		
	SYSTEM	Hide th					
	③ Date & time	inde u		Dev	rice		
	🖐 Accessibility	taskbar		Sy: Hid	stem navigation bar setting lesestem navigation bar		
	{ } Developer options						
	About tablet						
Ĵ							P 🌍 🚔 9:47

11-12-A:Equipment Management:

Check or deactivate the device manager.

11-12-B:Source Location:

Select this option when you need to install third-party unknown sources APK.

11-12-C:Validation Application:

Proposed installation of a warning when installing third-party unknown sources APK.

11-12-D:Power boot:

Auto Power On When connecting an external power supply, Tick valid, otherwise invalid.

11-12-E:USB-OTG&HOST:

USB-OTG, HOST function selector switch, Tick is HOST(Computer model, You can connect a USB device,

Such as the mouse and keyboard), otherwise is OTG(Device mode, You can connect to x86 PC, and recognizes ARM PC), the default is HOST.

11-12-F:Hide the taskbar

This function is used to hide / show the taskbar, the taskbar hiding can make the APK full-screen, Choose to show the taskbar, contrary to hide.

11-13:Language & Input Method Settings

Click "Language & Input Method" to set the system display language, keyboard and input method etc.

🛞 Settir	ngs					
	Bluetooth ON					
	🕚 Data usage					
	More		Language English (Australia)			
	DEVICE	-				
	🕪 Sound		Spell checker	System display lang	uage setti	ings
	O Display		Personal dictionary			8-
	🔲 Hdmi	KEYBO	ARD & INPUT METHODS			
	🚍 Storage		Default English (US) - Android keyboard (AOSP)			
ji ji	🖄 Apps		Android keyboard (AOSP)		<u></u>	
ji ji	PERSONAL		English (US)	-••		
	Location access	SPEEC	н			
	Security		Text-to-speech output			
	A Language & input	MOUS	E/TRACKPAD			
	O Backup & reset		Pointer speed	Keyboard and i	nput setti	ngs
	ACCOUNTS					
¢ (ų		10:39 😫

11-14:Backup and Reset

Click "Backup and Reset" enter into backup and reset interface, Support to back up you date on cloud(based on Google's servers). Reset to Factory default, Recovery and erase SD card.

\bigotimes	Settings		
	E Storage		
	🖄 Apps		
	PERSONAL	BACKUP & RESTORE	
	Location access	Back up my data Back up app data, Wi-Fi passwords, and other settings to Google servers	
	Security		
	A Language & input		
	D Backup & reset	When reinstalling an app, restore backed up settings and data	
	ACCOUNTS	PERSONAL DATA	
	+ Add account	Factory data reset Erases all data on tablet	
	SYSTEM		
	① Date & time		
	🖐 Accessibility	Ş	
	{ } Developer options		
	① About devices		
6			iiii 6:14 ∽ 8



🛞 Settings			
Storage	Backup & recet Eastony data recet		
🛃 Apps	This will erase all data from your tablet's internal storage, including:		
PERSONAL			
Location access	 Your Google account System and app data and settings Downloaded apps 		
Security			
A Language & input	To clear music, pictures, and other user data, the SD card needs to be erased.		
🖸 Backup & reset	Erase SD card		
ACCOUNTS			
+ Add account			
SYSTEM			
O Date & time			
Accessibility			
{ } Developer options	Reset tablet		
① About devices			
		8:13 0	

11-15:Date & Time Settings

Click "Date & Time" set the device time, including automatic date & time, Automatic time zone. Also can be set manually; And set time or date format.

🛞 Setting	gs		Time and time zone set
	Storage		
PE	ERSONAL	Automatic date & time Use network-provided time	×
(Location access		
 Security Language & input Backup & reset 	Language & input		
	D Backup & reset	Select time zone GMT+00:00, Azores Summer Time	
	- Add account	Use 24-hour format	
SYST	YSTEM	Choose date format 31/12/2014	
*	Accessibility		
{	} Developer options		Time or date format
0	D About devices		
C			ų 🖏 📾 6:15 🛇 🕅

11-16:Accessibility

Click "Accessibility"--"Set app when booting", you can set applications automatically run at system boot up, and set font size etc.

Storage Apps PERSONAL	Accessibility SERVICES
 Location access Security 	TalkBack оff sysтем
Language & input	Magnification gestures
Accounts + Add account	Large text Set app when booting Speak passwords
SYSTEM ① Date & time	Text-to-speech output
Accessibility{ > Developer options	Touch & hold delay Short Enhance web accessibility
About devices	Set app when booting
	y 🗇 👹 6:43 🛇 I

11-17:Developer options

Click "Developer options" you can turn ON/OFF developing advanced functions of USB debugging and limiting background process.

🛞 Set	tings		ON
	🚍 Storage		
	🛃 Apps		
	PERSONAL	Take bug report	
	Location access	Deskton backun nassword	
	Security	Desktop full backups aren't currently protected	
 Language & input Backup & reset 	Stay awake Screen will never sleep while charging		
	HDCP checking		
	ACCOUNTS	Use HDCP checking for DHM content only	
	+ Add account	Protect SD card Apps must request permission to read SD card	
	SYSTEM	DEBUGGING	
① Date & time	O Date & time	USB debugging Debug mode when USB is connected	
	🖐 Accessibility	Dower menu hug reporte	
	{ } Developer options	Include option in power menu for taking a bug report	
	① About devices	Allow mock locations	
		Calaat dahua ann	
Ĵ) 🝏 7:29 🛇 🕅



11-18: About device

Click "About device" you can quick Look ARM PC following information: Model number, firmware version, kernel version and Build number etc.

🛞 Settings		
E Storage	About devices	
🔄 Apps		
PERSONAL	Legal information	
Location access	Model number	
Security	rk30sdk	
A Language & input	Android version 4.2.2	
D Backup & reset	Baseband version	
ACCOUNTS		
+ Add account	Kernel version 3.0.36+ venice@ubuntu #35	
SYSTEM	Fri Apr 18 17:13:46 CS1 2014	
O Date & time	Build number Q30_JHS553-10_R1_V422_20140418_P005	
🖐 Accessibility		
{ } Developer options		
① About devices		
	¥ 6.	

12:VCN Connected

Running VNC-Viewer.exe clients, as follows:

V2 VNC Viewer	
VNC® Viewer	Ve
VNC Server:	•
Encryption: Let VNC Server choose	•
About Options	Connect

VNC Server: To enter the ARM PC IP address, such as: 192.168.0.194: 5901, ": 5901" is the port number (built-in, default unchanged) as follows:

V2 VNC Viewer	
VNC® Viewer	Ve
VNC Server: 192.168.0.194:5901	•
Encryption: Let VNC Server choose	•
About Options	Connect

Click on "Connect", pop up the following screen, check the "Do not warn me about this again", select "Continue"





ARM PC can be remotely operated by the windows PC if this screen appears the following interface, detailed as follows:







V? Android - VNC Viewer				V2 Android - VNC Viewer					
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Full screen mode							Send Ctrl+Alt+Del		
		e				0		e	
06:32	-	-			06:32	۲		-	
Monday		Mutic Gallery			Monday		Music	Gallery	
22-12-2014					22-12-2014			(3)	
		<u> </u>					9		
	Timir Mov	iePlayer Browser			-		MoviePlayer	Browser	
		8							
	-					0	•		
Universed Ender	Enuil Fiel	Manager Settings				Enuil	Flektanager	Settings	
									فيكاره والجنادي
Contraction of the second second second									owners and the first of
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