7NB-RN User Manual

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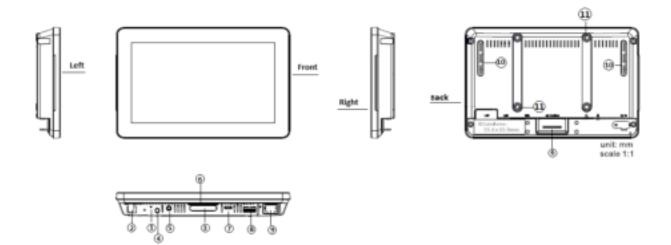
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Declaration

- Please read the instructions carefully before equipment installation and using the device.
- ✓ Do not put the product in high temperature, humid or dusty environment.
- ✓ Do not drop, crash or break down this product.
- Do not power off the device when it's formatting or upgrading, otherwise it will cause operation system error.
- ✓ This product is not waterproof.
- ✓ Use only approved add-on enhancements.

Product Instruction





1. LED Indicator:

Red	System is booting.
Green	System is working properly.
Light Off	Power supply is off.

2. DC In Jack: powered by 12V/2A DC input

3. SD Card Slot / Cover: support external SD card

- 4. Power Key: (1).Short press sleep and wake up(2).Long press to pop out the power off and reboot dialog box
- 5. Headset + Microphone Jack
- 6. Add-on module slot: to put optional add-on module
- 7. Micro-USB Port: support USB 2.0 high speed 480Mbps
- 8. USB Port: support USB 2.0 high speed 480Mbps
- 9. Ethernet RJ45 Port: support Ethernet connection (10/100Mbps LAN)
- 10. Speaker: audio output
- 11. VESA Mount Holes: for installing the bracket
- 12. WIFI: 802.11b/g/n/ac 2.4G/5G
- **13. Temperature:** Operation: 0°C ~ 40°C (32F ~104F)

Storage: -10°C ~ 55°C (14°F ~ 131°F)

Insert SD Card

This product supports external SD card. Please insert your SD card into the SD Card Slot (**#3** in **Product Instruction**) on the top of this product.

Insert USB Devices

This product supports USB and Micro-USB to deal with your files.

USB

Plug your USB memory into the USB port (**#8** in **Product Instruction**) on the bottom of this product, and then you can do the file operations via the File Browser. (See the details in **Browse Files**).

Micro-USB

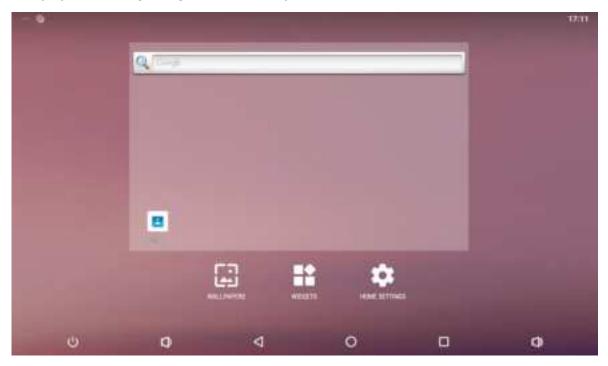
Connect the Micro-USB port (**#7** in **Product Instruction**) on the bottom of this product and the USB port on your computer with a Micro-USB-to-USB cable.

In the "USB Debug Connection" window that automatically pops up, click the "USB Preferences" button and select "File Transfer" to make the device visible on your computer.

Home Screen

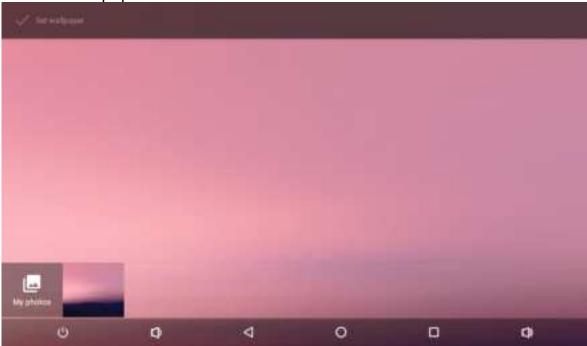
In the home screen, you can long-press the blank space to change the

wallpaper or drag widgets to desktop.



Change Wallpaper:

1. Click "Wallpapers".



2. Select an image from the Myphotos preset.



3. Click "Set wallpaper" on the upper-left corner of the screen to apply the wallpaper.

Add Widgets:

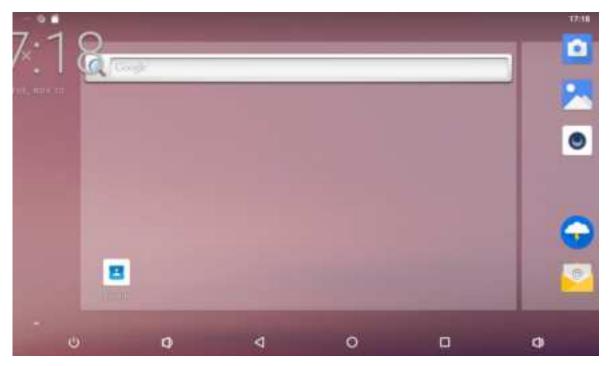
1. Click "Widgets".

-	Calendar			1
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	Calendar 3+1			
	Sep 27			
	Hart on Hart of the			
	Alter Grant			
	Clock			
~				_
	Analog clinit 2+1	Digital stock a + 2		
	(marginal)			_
	Contacts			

2. Long-press a widget and drag it to desktop.



3. If you want to remove an icon, long press the widget and drag it to the top left corner of the screen, " \times ".



System Bar

Navigation Buttons

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1.Power: Power off and restart.

- **2. Volume-:** Decrease the system volume.
- **3. Back:** Return to the previous page.
- 4. Home: Return to the home screen.
- 5. Recents: Switch between recently used apps.

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	Settings X	
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	BB Cascalator	
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To remove an application from the list, swipe left or right to remove the list.

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		A Home	1	CevelUp	Eur	
¢	Settings		×			
÷	Network & Internet We'l', data interprise					
GB.	Connected devices Biomonth, Coat, NFC					
	Apps & notifications Permanena, default appa	Calestane			*	

6. Volume+: Increase the system volume.

Status Notifications

Status bar at top of the screen displays system status, such as time, Wi-Fi, SD card and USB connection etc.

17:31

Pull down from the top to open the status window.

Includes brightness adjustment, Wi-Fi, automatic rotation, flight mode and position switching, system setting entry.

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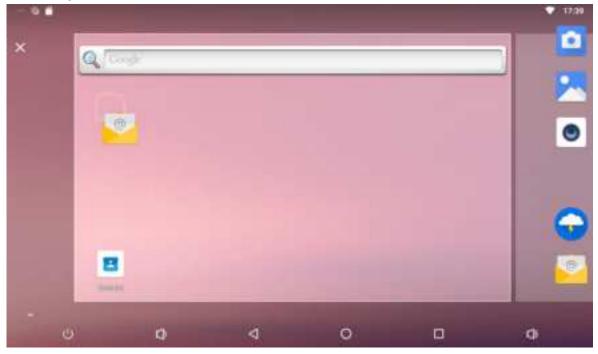
Applications

Slide the page up at the bottom of home screen to enter the applications page.

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The installed applications will be shown here and you can open an app by clicking its icon.

To find an app easily, you can create a shortcut by long-pressing of the icon and drag it to the home screen.

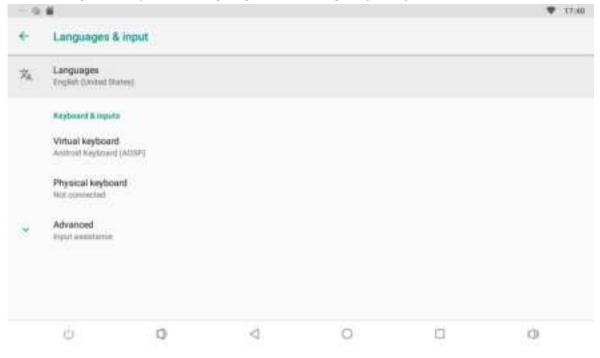


Language

In the App list, click "Settings" to open the system setting app, and select the option "System" \rightarrow "Language & input".



Click the first option "**Language**" under "**Language & input**", and then you can change the system language according to your preference.



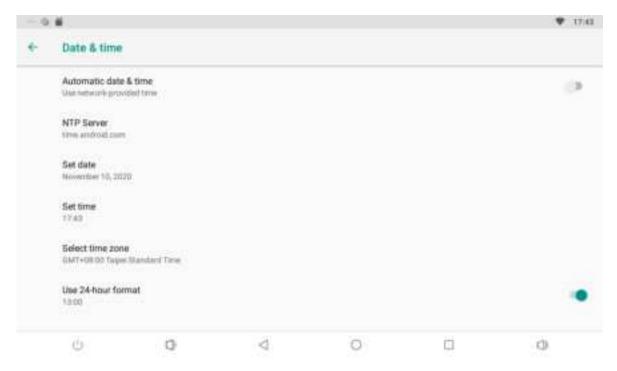
Date & Time

In the App list, click "Settings" it open the system setting app, and select the option "Date & time".

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٠	Date & time					
	Automatic date Use setwork prov	& time				•
	NTP Server	9.				
	Ant datas					
	3an 1000 1247					
	Select time zon (LMT+08.00 Tage	e Standard Time				
	Use 24-hour for					
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If you enabled the option "Automatic date & time" under "Date & time", system date and time will be synchronized automatically with network time when you connected a Wi-Fi network.

If you want to set the time manually, you need to disable "Automatic date & time".



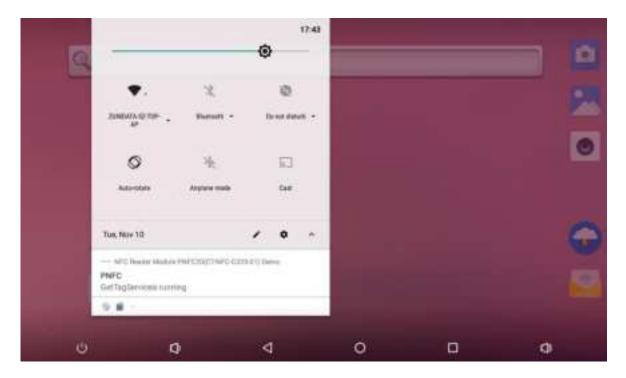
In this option, you can also set time zone, time notation and date format.

Volume

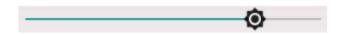
On the system bar, click the **Volume-** icon **I** to decrease the system volume, and click the **Volume+** icon **I** to increase the system volume

Brightness

Pull down the screen to open the shortcuts window, and then click "Brightness".



Slide the brightness button to adjust the brightness of the screen, or turn on Auto switch to automatically adjust the display's brightness to the appropriate level for the current ambient light.



Scheduled Sleep On/Off

This function is used to power the device on and off automatically at the set time.

In the App list, click "**Settings**" to open the system setting app, and select the option "Digital signage options" \rightarrow "**Schedule**".

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÷	Digital signa	ge options				
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	Enable touch pa					
	Enable touch wi	akanap				
	Schedule					
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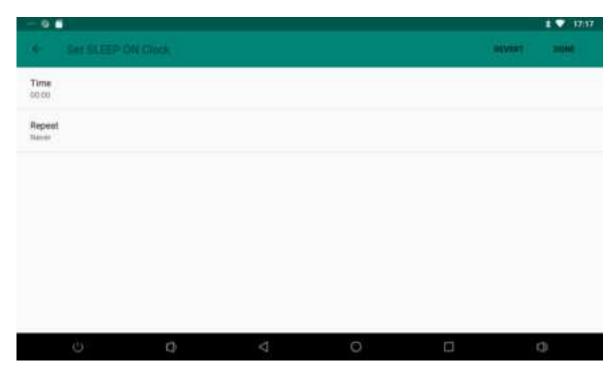
Click the single option "Set Scheduled sleep On/Off Clocks".

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Schedule settings				
Shut Down 00:00				
Re boot 00:00				
Sleep ON 00:00				
5leep DFF 00:00				
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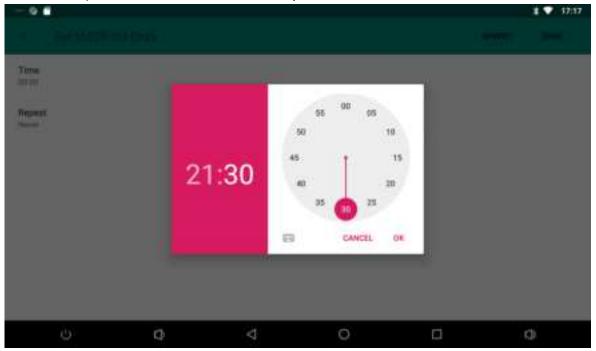
Sleep ON: Enter sleep.

Sleep OFF: Wake up.

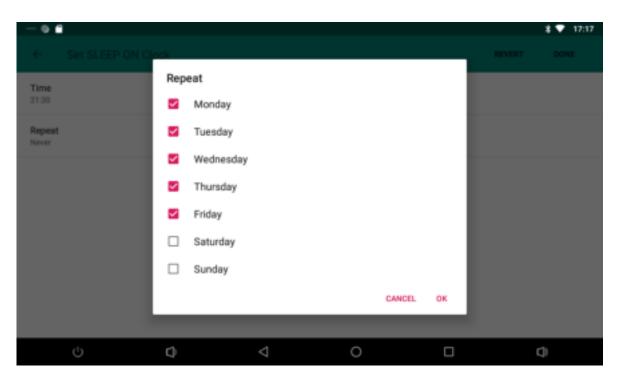
Click "Set Sleep ON Clock".



Click the option "Time" to set the sleep on time of this device.



Click the option "**Repeat**" to select the days which will sleep on this device at the set time.



After setting, click "**Done**" at the upper-right corner of the screen to save them.

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4 Set SLEE					AVERT I INC.	
Time 21:30						
Repeat More Tak Wel, Thu Fil						
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You will see the Sleep on option checked after saving the settings.

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Schedu	le settings			
Shut Down	00:00			
Re boot	00:00			
Sleep ON	21:30 Mon, Tue, Wed, Thu, Fri			
5leep DFF	00:00			
	<u> </u>) <	0	0

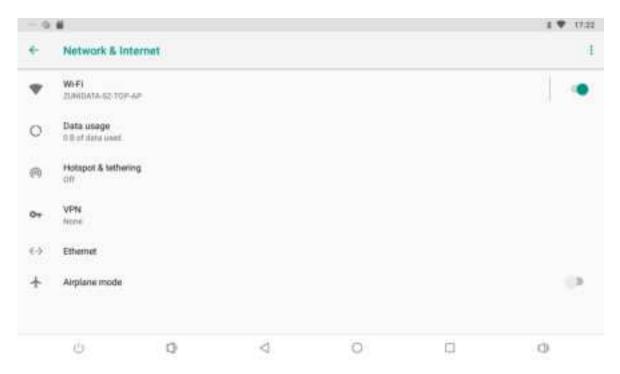
For sleep on clocks, you can set them as same as sleep off clocks.

-06					1	17:18
Schedu	ule settings					
Shut Down	00:00					
Re boot	00:00					
Sleep ON	21:30 Mon, Tue, Wed, Thu, Fri					2
Sleep DFF	08:00 Mon, Tue, Wed, Thu, Fri					2
	0	C)	\lhd	0	C])	

After the settings, the device will be powered off at set time, and powered on again when achieves the appointed time.

Wi-Fi

In the App list, click "Settings" to open the system setting app, and select the option "Wi-Fi".



Switch the Wi-Fi button to **ON**. The product will scan available wireless networks automatically. Select a network under Wi-Fi networks and input the password to connect.

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٠	WI-FI						
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	ChinaNet-odsk					10	6
٠	e-timer-80c3bc					1	ā
۳	elecom2g-80c3b	ю				6	8
۳	elecom5g					8	8 8 8
۳	ChinaNet-WD8X	VH					ā
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Ethernet

In the App list, click "Settings" it open the "Network & internet", select

"Ethernet".

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€->	Ethernot					
+	Airplane mode					
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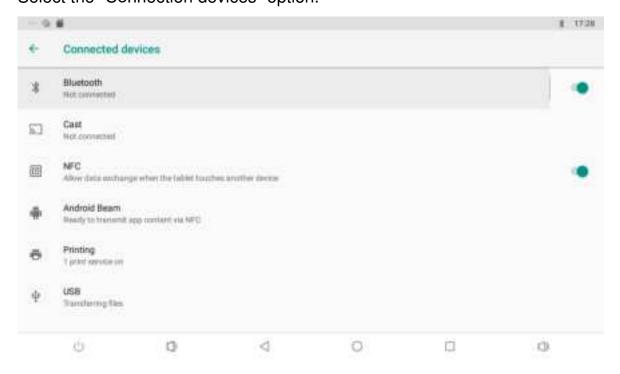
Check "Use Ethernet" and plug the Internet cable into the Ethernet port (**#9** in **Product Instruction**). If Wi-Fi is on, please turn off Wi-Fi to allow Ethernet working.

					£ ++ 17:27
÷	Ethernet				
	P address 192,128,1,304				
	netmask 356.255.266.0				
	galaway 192,168,1.259				
	dns1 192.568,3.258				
	dns2 0.0-0-0				
	Ethernet ip mode drap				
	Press				
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If you are Static IP user, please set the configurations manually.

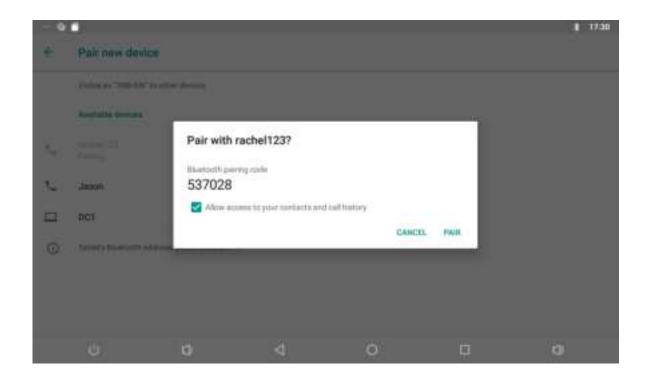
Bluetooth

In the App list, click "Settings" it open the system setting app; Select the "Connection devices" option.



Switch the Bluetooth button to ON. Click "Pair new device" to view the product automatically scan around the available Bluetooth devices.

If you want to pair another Bluetooth device, select it from the "Available Devices" list, and then click "Pair" in the pop-up window. At the same time, click "Pair" in the pop-up window of the Bluetooth device to be paired.



After pairing, the paired devices are displayed in the "paired devices" list.

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÷	Bluetooth					
	On					
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	Paired devrees					
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+	Pair new device	š				
	Device name					
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Click "Device name" to rename.

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Virtual Keyboard

The device provides a virtual keyboard for typing. You can use it as a real one.

When you click in a text input box, the virtual keyboard will appear at the bottom of the screen.

To collapse the virtual keyboard, you can click the icon \blacksquare in the system bar.

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Switch Input Methods

Please check whether the installed input method is selected in the "Language & input" option under the system setting app.

- 6	6 C				£ 🎔 10:47
÷	Virtual keyboa	ird			
4	Android Keyboard English (UD)	(AOSP)			
+	Manage keyboard	N			
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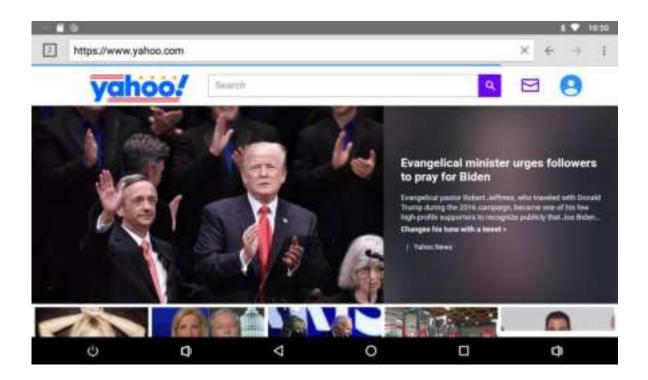
Surf Online

In the App list, open "Browser"

When connecting the device to a network, you can visit websites, play online media or download files via the browser.

In a browser window, enter in a URL in the address bar and click "-->" in the

virtual keyboard to go. You can also click it to add new tabs to make multiple tabs opened simultaneously.



Browse Files

SD Card				
😭 Home	ES LevelUp	Ei Multi	Editor	R NewFolde
1			12020	-11-11.12.32-40.1 dow
2			12020)-11-12 10:50 17 drw
Android			12001	-10-16 17:53:12) mw
LOST.DIR			1203	1-00-22 08 53 34 I drw
Screenshots	ŝ			5-09-23 09:16:14) drw

Long-press a file or folder to do file operations, such as copy, delete, move (cut), paste, rename, send (share) and create shortcut.

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SO Card			
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and the second	Сору		
	Delete	+	
2	Move		
	Paste		
Android	Rename		
-	Send	-	
LOST.DIR.	Create	E.	
Screenshots	shotcut		
DDR_config.json			
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If you want to select several files/folders at once, click "Multi" in the menu, and then select files/folders. The selected files/folders will be highlighted in blue.

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NFCReade	s Demolapk		1.51 M [202	2-09-10 18:30.5d) -rw
🗿 rootexplor	er_v4 9.6.apk		4.38 M (202	0-10-28 16:29:54 +w
🕤 testilem x	ml		735 8 202	0-10-29 16:02:44 [-fw
🕤 wifi2.46,s	onfig json		49 B (202	0-10-20 15:06-28 [-rw
V wifi5G_co	nfig.json			0-10-25 17:47:481-ne

Click "Editor" in the menu to operate the selected files/folders.

Play Media

With the provided apps, you can play your media files on your storage, such as pictures, music and videos.



Picture Player:

Support JPG, BMP, GIF, JPEG, PNG.



Music Player:

Support MP1, MP2, WMA, WAV, AAC, OGG, APE, FLAC.



Video Player:

Support MKV, TS, FLV, AVI, VOB, MPG, DAT, ASF, RM, MOV, 3GP, MP4, WMV.

Install & Uninstall Apps

Install Apps

Before installing an app, please download the app (.apk) to via the browser, or copy a downloaded app to the device from your computer.

Then you can open "**ApkInstaller**" 🥮 in the App list to install the downloaded app.

Apkinstaller

Install
Manage
Exit

Choose the installation file's location.

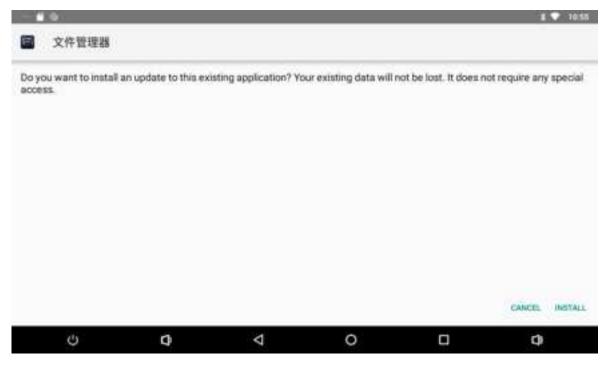
Click "Install" button.

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Insta	II					
Path:	/					
۲	Internal Memory				There is no apk file under this directory	
	TF Card					
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The apk files will be automatically scanned in the right side list.

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Paths	TF Centratorage	73910-5126				
2	1			210-0	they. If they except the lists	18
					NFC Reader Mod PNFC20(CT-NFC	tule -C325-01) Demo
	2				NFCReaderDem	o.apk
	1			(-C325-01) Demo
	Android				FactoryTest_RN lease.apk	7N_8.1_v1.1.2_re
	Screenshots				FactoryTest_RN lease.apk	7N_8.1_v1.1.3_re
	LOST.DIR				rootexplorer_v4.	9.6.apk
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Click the apk you want to install.

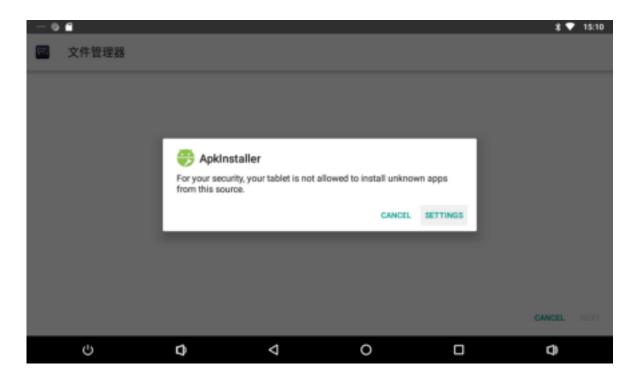


Click "Install" and then waiting for installation finished.

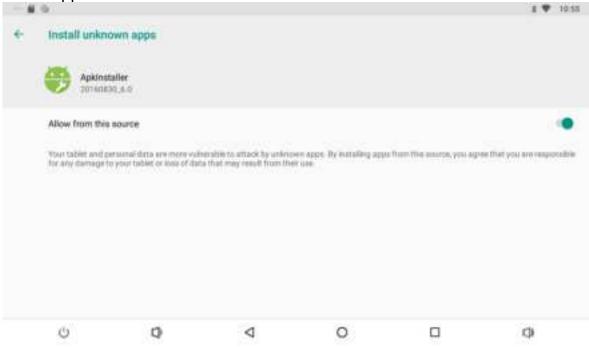
文件管理器					
			/		
		Appin	stalled.		
					DONE OPEN
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You can also download an android app market, and install the apps via the market.

If you encounter the following prompts, select "Setting" to enter " Install unknown apps" page".



Turn on "Allow from this source" button, click the back icon to continue to install app.



Uninstall Apps

To uninstall the app, go to the "Settings"-> "App&Notifications" list. In this option, you will see a list of installed applications.

- # 1	9 ()				£ 🎔 10.58
÷	App info				1
Q	Search 32.26.48				
¢	Settings 38.56 km				
	Sound Recorder 28.57 kB				
	Video 322 kil				
ø	WebView Shell 26.67 kill				
R	文件管理器 TZ:NYMB				
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Click the app you want to remove to enter the detail page.

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٠	App info					
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		URINGTALL			(FDROERTOP)	
	App notification	e				
	Permissiona No permissiona gra	and a				
	Storage 12.09 All used in a	denal sturage				
	Data usage No data used					
	Battery					
	Ċ	Q	4	0		0

Click the "**Uninstall**" button and select "OK", and then waiting for uninstallation finished.

	0							8 🔻	10:56
÷	App info								
	文件管理器 Installed								
	UN					10			
		🕞 文件管理器				- 8			
	App notifications	Do you want to unin	stall this app?			- 8			
	Permissions				CANCEL 0				
	No permissions granted				CANCEL 0	<u>`</u>			
	Storage								
	12.89 MB used in internal st	orage							
	Data usage								
	No data used								
	Battery								
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Reset to Factory Default

Please make sure to back up the important data before resetting the device.

In the App list, click "Settings" to open the system setting app, and select the option "Reset options".



Select the option "Erase all data(factory reset)".



Click "Erase everything" button, and then waiting system reboots and resets to factory default.

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٠	Reset?					
Erase	all your person	nal information an	d downloaded app	s7 You can't undo	this action!	
			TRASE IN	ENTHING		
			annual av	ERYTHENG		
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Federal Communications Commission (FCC) Statement

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

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.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only. This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

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 of the device.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.