7"Touch Screen MID
Entertainment and Internet Device

ZR-701

USER MANUAL

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Preface

Dear Customers,
Thanks very much for purchasing our product! This device is built-in high performance Wifi receiver module, supporting external 3G USB-DONGLE wireless network card, turning on the broadband wireless networks, breaking through the restraint of network cable; it will bring you into the portable media player world and fulfill your entertainment needs. It also support picture browsing, E-book Reader, games, online chat and other functions, various settings will fully show your individualityTo operate this player easily, please read the User Manual attached with the player first, from which you can have knowledge about the production introduction and operation method. Before operating this player, please carefully read all data we provide about the player, so that you will have a better understanding about the product and operate it much better.   The Company will not be responsible for any loss of personal data and damage causedby incorrect operation of Software/Hardware, artificial damages, replacement of batteries or any other accident. To avoid loss of your data, please backup your data to your computer at any time.Meanwhile, since we can not control any dispute from users' misunderstanding or incorrect operation against the manual, the Company will not take any relevant responsibility for any accidental loss potentially occurring in the process of using this manual.The functions information ofthis manual is subject to the product itself; we will keep developing new functions. The information in this manual is subject tochange without any prior notice.This manual is protected by the copyright and any part is not allowed to be copied or reproduced in any way without prior written permit of the Company.The Company reserves the final explanation right of this manual, warranty as well as its related information. (**Note**: When compiling this manual, we are very careful and precise to provide you completely reliable information. However, there is inevitably some error and oversight, please understand and you are welcome for providing us advice. If any problem occurs during your operation of this product, please timely contact with the local seller)Thanks for your support and please pay attention to our other products

Safety notices

1) Please keep the device away from strong magnetic field in order to avoid the damage to the product

2) Please do not let the player fall or rub or compact with hard objects during using, or it may cause surface scratchof the player, battery loose, date lose or damages of other hardware.

3) Never let this product expose to the humid environment or rain as the water leaked into could disable it to the extent beyond reparation.

4)Never clean the device with any chemicals and detergent, or it will damage the product surface and corrode the spray paint

5) You are recommended not to use the headset with large volume continuous, please adjust the volume to the size of appropriate security and control the using time to avoid the damage to your hearing, as excessive volume will cause permanent hearing damage.

6) Please do not cut off the power abruptly during software update and download, or it may cause date loosing and system error.

7) Over-voltage, power cable strain, bending or squeezing by heavy objects is not allowed to avoid overheating or fire disaster.

8) In order to eliminate the risk of electric shock, do not touch the cable power plug with wet hands

9) Some movie, music and picture are under the protection of copyright, unauthorized usage is deemed as an infringement to the laws of copyright

10) Please don't turn on the device in where the wireless equipment is forbidden or when the usage of the device will cause interference and danger

11) All the wireless equipment may be interfered and influenced the performance

12) Please comply with any related restrictions and rules, wireless equipment will influence the flight of the plane;please consult the airline company if you use the device in the plane.

13) Please don't use the device in gas station, nearby the fuel and chemicals

14) Please comply with any related restrictions and rules; don't use the device in where blasting operations are in progress

15) Only qualified maintenance personnel can install or repair the device

16) Please use the original accessories and battery, don't use the incompatible products

17) The device is not waterproof, please keep it dry

18) For the sake of data safety, please back up the important information of the MID or keep a handwritten record.

19) When connecting with other device, please read the user manual for detail safety instruction, please don't connect it with incompatible product

20)If the actual settings and operation method of the product are inconsistent with the user manual for the losing of firmware, please use the software in the CD-ROM and refer to the instruction of the manual to re-update the software

3.1 product introduction:

M901/910 is a MID mainboard and designed by Rockchip company.The processor adopts Cortex-A8 architecturethe main frequency can reach up to 1.2GHz. also have 512KB secong level cache. improve RK2918 development and process efficiency .

M901/910 use 7 inch TFT LCD display screen ,adopt advanced 512MB DDR3 internal memory technology. SSTL 15 I/O port. have great improvement compare with the usual property. Built-in high property3D image processor,support OpenGL ES 2.0 and open VG, every seconds max 60 million triangle throughput. It can provide 60M triangle generation rate and about 500M pixel full rate. It can manage various complicated 3D picture and large 3D game.what's more. M901/910 full support 1080P video decode. built-in high definition camera. WI-FI and 3G internet function.

Hardware configuration	Application software configuration
5 V / 2A adapter	Google map
H D MI output	Application market: more than 50000 softwares download
High fidelity stereo output	
M i n i U S B port:support H O S T 2 . 0 / 1 . 1 . S L A V E 2 . 0	Gmail :net mail
Support M i n i S D	Google browser
High fidelity effect output 0 . 8 W / 8Ω	Google Talk: chat tool
Capacitive 'resistive touch screen	
W I – FI	e-book
Built-in gravity accelerate. spiral. compass sensor	popular games

3.2 Product Appearance

3.3 Instructions on Keys

Symbol	Name	Description
A	RESET	Press this button shortly to reset the system when the device is halted
B	POWER	Press this button shortly to enter sleeping/wake up mode, press long to switch ON/OFF
C	MENU	Press this button shortly to enter the submenu
D	ESC	Press shortly to return, press long to the touch screen calibration
F	TF Card Slot	TF Card Slot
G	High Definition Output	High Definition Output Jack
H	Stereo Earpieces Jack	Stereo Earpieces Jack
I	DC Socket	Connect with 5V DC charger
J	MINI USB Port	MINI_5 PIN USB Port
K	USB Host Port	Port for external USB Driver,3G Dongle, Mouse, etc
L	Display	HD Display area
M	Camera	Static or dynamic camera(Optional)

4.1 Operation of the function Icons.
a . Definition of the Function Icons
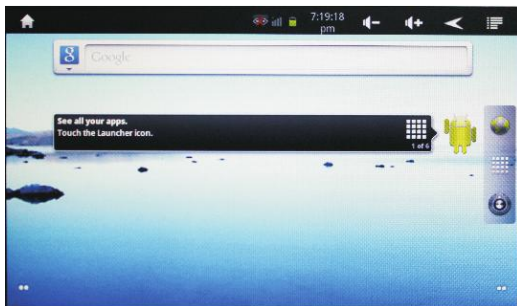
Iron	Function	Iron	Function
	Back to menu		Reduce the volume
	Power status showing		Louder the volume
	Current system time		Menu for function block
	Return		Switch the interface
	Google search		Menu
	Web browser		Funcion setting
	Ethernet Connection		3G signal

4.2 T-F Card Using

T-f card sloti is built- in to read multi-media files .Insert ,Insert the T-F card into the card slot in right way ,when taking out .just push the t-f card toward to the inside ,then the slot will release the T-F card ,the T-F card will pop out automatically ,take it then

a. Please inset the T-F card into the card slot in the right side of the devise

b.Do not pull out the card when operating (reading ,copying),otherwise,it may cause date error

c. Donnot use the T-F card under high tempreture condition

d. Keep the T-F card far from the liquid and erosive materials

4.3 APK Installer

Notcie: Before installing APK files ,please select setting—application—unknown sources

The MID supports application softwares based on Android platform ,most of application softwares can be downloaded from internet ,please copy them into flash or T-F card then install them

Click APK installer ,then Apk instlling interface comes out: instil –manage-exit options
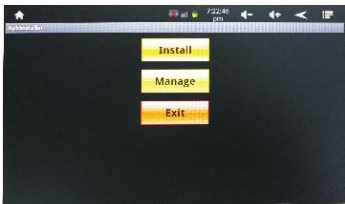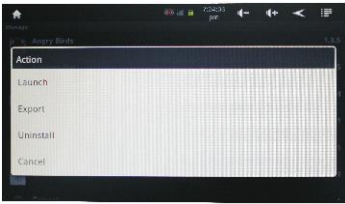
Install: click "install" to enter installing interface
Internal Memory and SD card match respectively Flash memory and T-F flash
After entering ,select APK format softwares in right form and install ,click " install " ,return to home page to comeplet installation

Manage: Click "manage" then enter into appliaction softwares

Startup: To operate the software
Export: export the software to the T-F card
Un-install: uninstall the software
Search: search the software in the software shops
Cancel: cancel the operation
Back

4.4 Input Method

Click google input form then the page on the left will popout ,press ▇▇ to switch between numbers and Capitalizations: Press ▇▇ , the page on the right will popout ,then you can select input method

5.1 Audio Player
In the main menu or desktop ,click the icon ▇ to play the audio
- When no music files in the audio player playlist ,the system will automatically load the music files from the card to the audio player playlist after turnig on the audio player (the devise supported audio file format: mp3 ,wav.midi,wma,)the playlist as shown in the above figure
- If too many songs in the music playlist area,slide up/down the touch screen to page up/down
- Double-click the favorite in the list to play music as shown in the following picture

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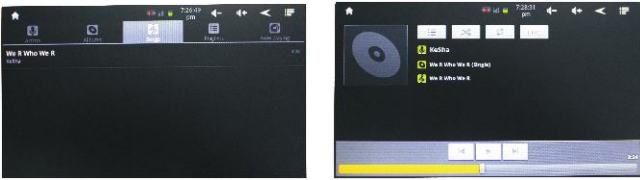
- In the music playing interface ,tap ▇ enter the audio playlist
- Drag the playback progress bar ▇ to adjust audio playback progress
- Audio player buttons description

button	notes	button	notes
	artist		song
	playing		album
	exit audion player		play audio
	repeat play		random play
	volume up		volume down
	the last song		the next song
	play list		pause

Note: Audio player can play WAV record files

Edit: Click the ▇ in playlist and popout

▇▇▇▇▇ interface ,then you can edit

5.2 Video

In main menu or destop ,click ▇ and enter video ply interface ,according to your saving pistion ,open the file and double-click the movie to play


Support video formats: MKV,AVI,RM,RMVB,MP4.MOV,VOB.DAT.FLV.3GP

If no file in playlist ,the system will play videos of T-F card automatically when starts

Drag palying progress strip ▇ to ajust the progress

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• **Introduction of icons of playing**

button	notes	button	notes
	add video bookmark		brightness control
	play the last video		play the next video
	play/pause		video system 16:9/4:3/recover
	exit video player		menu
	volume up		volume down

- Click ▇ to delete labels ,play modes etc ,as followings:
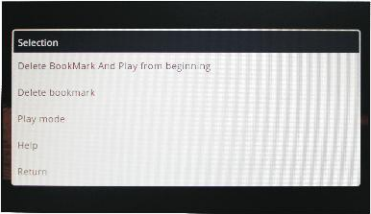
A .Click to play mode ,select among single-song play ,single-song repeatly play and all songs repeatly play ,or click back option to return former menu
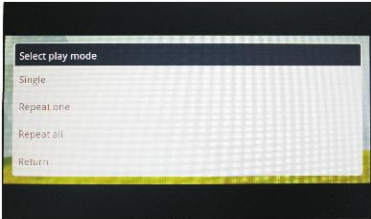
6 Setting

In main menu or desktop ,click setting to set wireless and network ,soud and display ,loaction and security , application etc ,press the screen up/down to page up/down
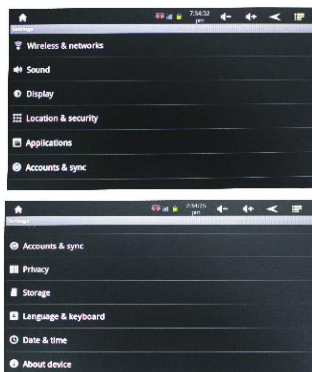
6.1 Sound and display setting

Click"soud and display" to enter setting page
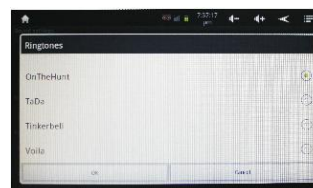

A   Volume of media
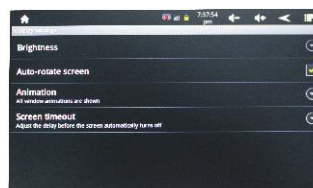
Click " Media volume" to set volume of music and video

B ring bell

Set defaulted ring bel

C Select operation bell (play bell when selecting) and SD card reminder(bell when play SD card)

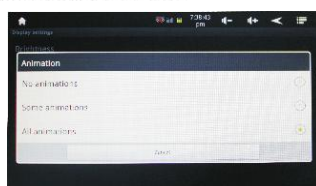● Display setting

A Direction

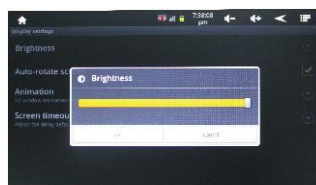Rotating devise to change showing directions automatically
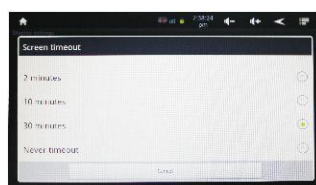
B Animation

Show animations of all windows

C   Brightness according to your needs ,drag to adjust brightness of backlight ,enter and return

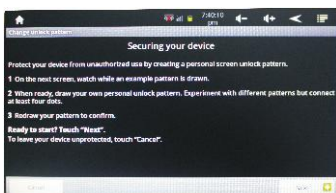### D Screen timeout

6.2 Location and security settings

Click " location and security to set

Setting unlock picture

Click setting unlock picture to set,click

Draw unlocking picture ,connct at lease four dots and click next step to complete

6.3 Application software setting

Click Application Softwares to set up

Manage application software settings

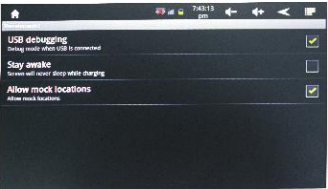Click Manage Application Softwares to manage and delete instlled softwares

Running service settings

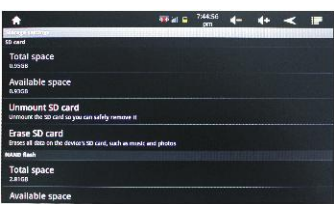Click Running service to see and control currcent operating softwares

• **Development setting**: advised to use factory defaults,or any change will make some function not available
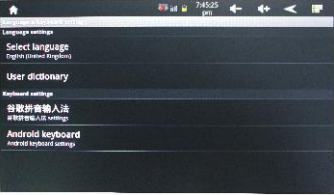

6.4 SD card & device storage settings

Tap SD card & devise storage to enter following to check total space ,available spaces,format SD card ,etc

6.5 Language and keyboard settings

Tap Language keyboard to enter setting interface

• **Language setting**
The devise support multi-languages, you can select operation interface of different languages according to your needs ,select matching language option ,tap ◄ to confirm and back
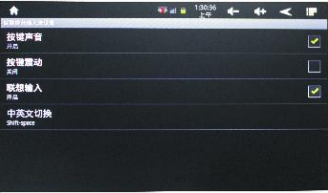

• **Google Input method setting; Android whole screen**

• **Android keyboard setting**

• **Google pinyin input method setting**

6.6 Date and time setting

Tap Date and time to set ,cancel automatic option to fix date and time by hand

Date setting

Tap ➕ ➖ to select Day ,Month & Year and tap ,icon Set to confirm OK

7 Specifications

CPU	Rockchip2918	1.2GHz,DSP main
Storage capacity	2GB~32GB	Standard configuration 4GB , support max 32GB(according to customer requirements)
Internal memory	512MB	256MB x 2, DDR 3,work frequency 400MHz
Display screen	7"TFT	Hanstar HSD070IDW1-A HSD
resolution	800x480	\
Touch screen	Resistive	Double point(901)
	capacitive	Multi-point(910)
Battery type	Rechargeable lithium polymer	\
Battery capacity	3.7V/3200mAH	\
Battery cruising power	4 ~ 6 hours	continue play video
Speaker	8Ω1W	10% distortion，double horn
sensor	Yes	gravity sensor，spiral，compass sensor
Wi-Fi/bluetooth	802.11b/g	Two-in-one
camera	2 million pixel	Built-in chip model GT2005
Button	Push type	4 buttons，HOME/MENU/BACK/RESET
Input interface	DC IN(x1)	5V/2A
	T-flash(x1)	Max 32GB
	Mini USB	Can connect move hard disk without capacity limit
Output interface	Mini HDMI(x1)（optional）	Max resolution 1080p
	Phone(x1)	3.5mm（max output power 40mW, frequency range 20Hz-20KHz，SNR 94dB)
Machine consumption	DC5V_660MA=3.3W	mainboard≤1.8W 7"LCD display screen ≤1.5W
Other external devices	USB keyboard mouse	Also support 2.4GHz wireless USB keyboard mouse

| Software specification	Detail description	notes
Operating system	Android 2.3	Google Android operating system
OSD language	Support 9 kinds of language	Simplified chinese/traditional chinese/English/Franch/German/ Italian/Spanish /Portuguese/Russian
Input method	spell/handwriting chinese input method	/
browser	Google browser	support Flash
Support video format	MKV、AVI、RM/RMVB-8/9/10、FLV MPG、VOB、MPEG1/2 MOV、DAT、MP4、WMV 7/8、WMV9(VC-1)、Divx-3/4/5	
Support audio format	MP3、WAV、WMA,AAC、APE、FLAC,Vorbis(Ogg)	
Support image format	JPEG/BMP GIF/PNG TIFF	
Support file format	TXT PDF HTML Doc Excel	
Video play function	Breakpoint continue play	Can continue the last video state to play
	subtitle	Srt,Ass,Ssa,Smi,Sub-idx
	screenshot	Cut the play picture with one key, save as JPG/BMP image format
Audio play function	Lyric synchronous display	Connect network ,download the matched lyric file and synchronous display in the screen
	Music album cover display	Connect network ,download Music album cover and synchronous display in the screen
	Breakpoint continue play	Can continue the last video state to play
Image play function	Preview picture	Support Squared Up thumbnail perview
Documents	Book mark edit	Support 10 bookmarks edit at the same time
play function	Documents edit	Support TXT,PDF,Doc,Excel format documents edit
	font size adjustment	adjust the font size of document edit
e-dictionary	English –Chinese / Chinese-English e-dictionary	Support word translation and online translation
e-mail	Gmail™	Built-in Gmail network mailbox system,auto receive E-mail
e-map	Google map	Support 3D live scene

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8 Calibration (depend on machines)

When there are offset and invalid tap on the touch panel ,please press and hold the "ESC" key for 3 seconds to log into the interface of the touch panel calibration,tap the center of the "Cross" indicated by the red circle one time ,the screen will display Calibration Successful message when it is OK ,See the figures below
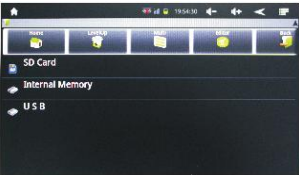

8.1 About Device and U-disk read

See power consumtion ,law informaion ,status of devise and version of softwares
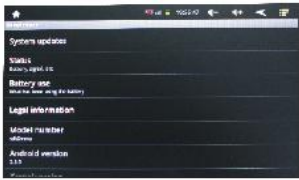
U-disk read

Put u-disk into HOST port ,tap icon on desktop to enter resource manager ,click USB Devise to read


Connect to computer

Connect MID to computer with data cable, icon popout on desktop ,keep pressing and drap down till the left interfact appears ,click "USB connected" then right interface comes out ,open USB storage devise to read ,return from connecting and close the devise
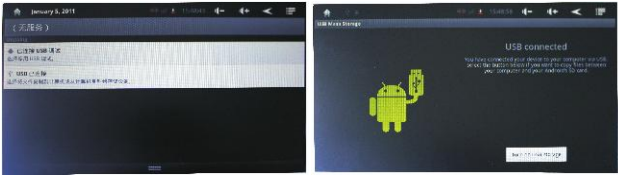
HDMI

Connect with High definition devise and Set the devise to High definition State and the devise with play automatically
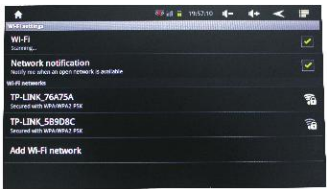
8.2 Wiress network settings
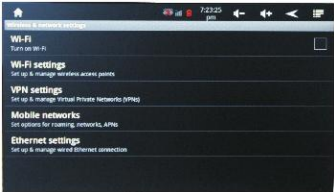
3G Setting:after inserting 3G dongle and recognized by the devise , click the Mobile Network to use 3G

A WIFI Setting

Click "wifi setting" then the following interface will appear then you can use WIFI and do some other operations
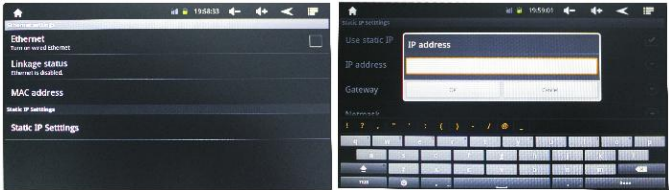

B Set WIFI and connect to network

Press Add wifi network and shows below pages , input SSID and save to use WIFI network

C . Ethernet setting .

Tap ethernet setting and see below information and operate

9 Trouble shooting

1.Can not turn on the device

You can onto turn on the devise when the power is below the
critical level ,please chage the battery,connect to the computer
via USB cable or charge via AC charger ,try to turn on again while
ensuring quantity of electricity

Press the RESET button on the top of the devise and check
if the restarting is normal or not

Check if the charger is connected well or not

2. The standby time of the MID is too short

The duration of the lithium battery varies with environment
temperature changes and the service conditions ,If the environment
temperature is too lowo r too high ,the duration of the battery will
be affected ,It is recommended to use this devise at normal temperature
From the usage of the devise ,larger screen of the devise cost
more electricity ,In addition ,affected by the volume increase ,sound
field special effects and other factors such as frequent operation ,
the actual duration may be different from specified one to a certain extent

3 ,No sound via earphone

Please check if the volume setting is 0

Please check if audio file is broken ,and try to play other audio files
to confirm ,If the audio is broken ,it may cause severe noise or staccato

4 Can not copy files

Please check if the devise is connected to the computer correctly

Please check if the memory space is full

Please check if the USB cable is broken

FCC Statement

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.

To assure continued compliance, any changes or modifications not expressly approved by the party Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

RF warning statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.