



# **MK903V**

## **User Manual**

**Android4.4 Quad-Core Mini TV**

## Declaration

- The user manual includes all the information of safe and correct operation instruction. To avoid accident and product damaged, please make sure go through all the content carefully before using the product.
- Please keep the product away from high temperature, humid and dusty environment.
- Do not drop or crash the product.
- Do not cut off the device when it is formatting, or upgrading, otherwise it will cause operation system error.
- Do not dismantle the device. Do not clean it by alcohol, thinner and Benzene.
- We keep the right to upgrade and modify the product.
- Disclaimer: we only take the responsibility to provide the warranty and after service. The users have to take care of their data in the device by themselves. We do not responsible for any data or related lost.
- The product is not water-proof.
- All the pictures in the instruction are just for reference.

## Features:

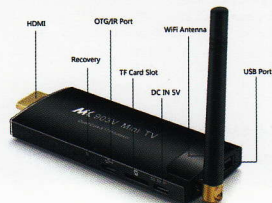
MK903V Mini TV is based on Android OS. You can use it as below:

1. Surf the Internet via Wi-Fi;
2. Playing games;
3. Enjoy movies, music and photos with your family or friends etc;
4. Real living room home entertainment center.

## Product & Accessories:

- 1x MK903V Mini TV;
- 1x HDMI Cable;
- 1x USB Cable;
- 1x AC Power adapter;
- 1x IR Remote control;
- 1x IR Receiver extend Cable;
- 1x WiFi Antenna;
- 1x User Manual.

## Connectors:



**HDMI:** High Definition Multimedia Interface Output. Support 4K\*2K

**Recovery:** System update/repair button

**OTG/IR Port:** Data exchange port, also support IR remote controller

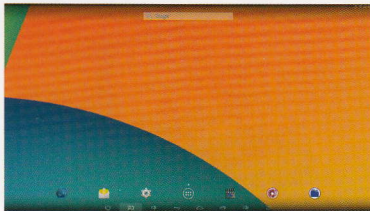
**TF Card slot:** Support expanded TF card, up to 32GB

**DC IN 5V:** 5V DC IN

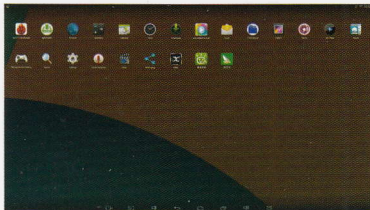
**WiFi Antenna:** External WiFi Antenna, WiFi Signal be stronger

**USB Port:** Connect with other USB device.

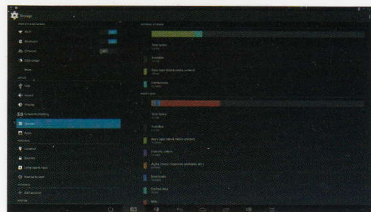
## Main Screen



## Application



## Settings



### Wi-Fi

When opened WIFI, Player would search available wireless router signals within 20 meters, user just choose a router and input correct password then could browse internet; if the router without password, player would connect it directly.

### Bluetooth

Bluetooth is a near distance wireless communication technology. Device could exchange information within 10 meters and don't need to use physical connections.

Some equipment without testing or without Bluetooth SIG examination and approval, may not compatible with MK903V Mini TV

Open Bluetooth settings→ Scan and search equipment→select a device, input Bluetooth wireless password (if required) then confirm. If the password correct, then complete the Bluetooth pairing.

Some equipment, for example, Bluetooth headset may have a fixed password (like 000), then you must input corresponding password.

### Ethernet

If you family or office without Wireless network, you could connect an USB Ethernet with your MK903V Mini TV, then connect RJ45 LAN Cable.

### USB

This function user could exchange data between player and computer.

Specific operation steps:

1. Equipment connection: Use Micro USB to USB connecting computer and Player, then connect the player and TV with HDMI cable;
2. Settings: After device access to the main screen, click Settings → USB → Connect to PC, press confirm. After the device go to USB mode, press Turn on USB storage. Now your computer could find the device, after 5 seconds you could operate freely.

### Sound

This is for Sound settings;

Volume: Click to setup volume level for music, video and games or other media;

Touch sounds: Click to open or close Touch sounds;

Screen lock sound: Click to open or close screen lock sound.

### Display

Font size: Click to setup system font size according to their preference.

### Screen shot Setting

User could use this function capture Screen pictures.

### Storage

In this option, user could view local storage space and external storage space, besides; user could uninstall or format storage equipment.

### Apps

In this option, user could view installed and running apps, at same time could check DDR parameters.

### Security

User can set password according to your needs.

### Date & time

Because the device don't support built-in battery, so manual set date and time can't be saved, user can use automatic date & time, so when the device connected with internet, date and time would update automatically.

### Language & input

1. User can set the language for system menus according to their Country or preference (60 languages supported) ;
2. System default support Chinese and English, user need manual installing other input methods;
3. User could set keyboard and mouse cursor speed and simulated mouse step length at here.

### About device

This option show current system information display.

### How to install Apps from USB Flash Drive / TF card ?

1. Open the "File manager"
2. Choose your USB flash drive or any other mass storage's folder
3. Find you application, and press it
4. Press the install button
5. You can find the application in tab

### How to download & install from browser?

1. Open the Browser or Google play Store
2. Press search key and input your website address
3. Download the APK file which you need
4. You will find the file in your SD card folder
5. Double press the apps you want to install
6. Press the install button, and operate as system prompt

You can find the application in tab "Apps" after installation

#### How to remove applications?

1. Enter Settings
2. Enter Apps
3. Find the application you want to remove in tab "All"
4. Enter the icon and press "Disable"
5. Press "OK" to confirm uninstall

#### Questions & Answer

1. Screen flicker or unstable working: please check if the HDMI cable has been connected tightly.
2. Cannot start device: please download FW to refresh the device FW. Make sure all the important data has been backup before process it. If the issue still cannot be solved, please contact the distributor which you bought from.
3. Keep restarting system automatically: please check if the device get enough power supply. Sometimes, external HDD cause power shortage. Please plug additional power supply for external HDD or other external devices.
4. Cannot find file in SD card or open drive: Please check all the connection of the device. And make sure you have tick of SD and USB Host in "Setting".

#### Specifications:

Model#	MK903V
CPU	Rock chip RK3288, Mali-T764 3D GPU (OpenGL ES 1.1/2.0 /3.0, and Open CL 1.1)
OS	Android 4.4
Main Frequency	Cortex-A17, Up to 1.8GHZ
RAM	2G
Memory	8GB
Expand Micro SD	T-Flash(Maximum support 32GB)
Video Format	MPEG-1, MPEG-2, MPEG-4, H.263, H.264, H.265, AVS, VC-1, RV, VP6/VP8, MVC (1080p) Sorenson Spark, MVC up to 4K*2K @ 60fps
Audio Format	MP1, MP2, MP3, WMA, WAV, OGG, OGA, APE, FLAC, AAC, M4A, 3GP P etc
Music	Can be connected to the Internet, enjoy music online
WiFi	802.11 b/g/n
Bluetooth	Ver 4.0
Flash	Supports flash 11.1 or later.
Ports	HDMI 2.0, Micro SD slot, USB host x 1, OTG x1, DC IN 5V
Accessory	HDMI cable, IR Remote control, USB cable, power adapter, WiFi Antenna, manual