LSP mini+

Version: V1.0

User Manual

Before operating the unit, please read through this manual.
The final software version should be subject to the latest development.
Final interpretation is owned by our company.

Contents

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PLACEMENT
- Do not place the unit on an unstable cart, stand, tripod, bracket, table, or shelf.
- Do not expose the unit to direct sunlight and other sources of heat.
- Do not handle liquids near or on the unit.
- Never spill liquid of any kind into the unit
- Do not put the unit near appliances that create magnetic fields.
- Do not put heavy objects on top of the unit.

POWER SUPPLY
- Check that the unit's operating voltage is identical with your local power supply.
- Please unplug power supply and aerial plug when the weather is thunder-storm or lightning.
- Please unplug power supply, when there is nobody at home or didn't use over a long period of time.
- Please keep power cord from physical or mechanical damage.
- Please use exclusive power cord, don't modify or lengthen it.
- Please check and ensure AC source is connected with the ground.
- Only use the attachments / accessories specified by manufacturer.

TEMPERATURE
- Do not place the unit near or over a radiator or a heater register.
- If your unit is suddenly moved from a cold to a warm place, unplug the power cord for at least two hours so that moisture that may have formed inside the unit can dry completely.

HUMIDITY
- Do not expose machine in rain, damp or place near water.
- Ensure the indoor drying, cool.

VENTILATION
- Keep the ventilation openings clear.
- Ensure that the unit has enough space for ventilation around: left, right and back >10cm, top> 20cm.

BATTERY
- Accurate transaction and recal l scrap battery after using.
- Please don't let kid touch battery, in case of dangerous don't throw battery into fire.

SOFTWARES
- Some APPS for smart phones or unique CPU solutions may not suit for this product.
- Some softwares need unique peripherals to support, like G-sensor, may not suit for this product

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## Safety Warning

FCC Statement

- The MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Only use the attachments/accessories specified by manufacturer.
- Changes or modifications not expressly approved by the party 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.
- This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.
- This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.
- 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.

Manufacturer:Guangzhou Shiyuan Electronics Co., Ltd.
Address: 4F,192 Kezhu Road,Guangzhou Science Park,Guangdong Province, China
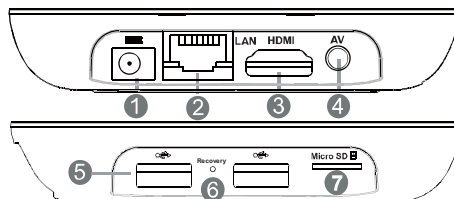Tel:020-82086168

Preparation

1.1. Introduction

1.1.1 Sketch
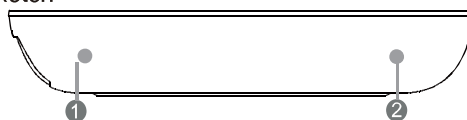
Front	Function
❶	Signal LED(red--Power off, blue--power on)
❷	Signal receiver

Back	Function
❶	DC in
❷	Ethernet input
❸	HDMI output(Best resolution experience in 4K*2K@60Hz(10-bit))
❹	AV output(Best resolution experience in 480 or 576i)
❺	USB port x 2
❻	Recovery button
❼	Micro SD slot

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Preparation

1.1. Introduction

1.1.2 Peripheral

Remote

AC adapter

AV cable(Optional)
HDMI cable(Optional)
User manual(Optional)

1.1.3 Remote
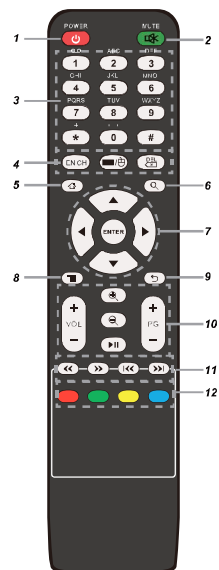
Button	Function
1.	Turn on/off
2.	Sound/Mute
3. 1 ~ 0	Number 0 ~ 9 and "*","#",
4. EN/CH	Switch input number or alphabet Turn on/off Mouse Mode Delete
5.	HOME button, back to main page
6.	Search
7. ENTER	Up, down, left and right direction Control Confirm
8.	Menu button
9.	Back
10. VOL PG	Volume "+,-"(Turn up/down) Page turning "+,-"(up/down) Zoom in/out Multimedia: Play/Pause
11.	Multimedia: Forward/Backward/ Preview/Next
12.	Defined function button

Connection

2.1. How to Connect

Connect the Android box to a display equipment

+Reminder   The display equipment must have a HDMI terminal or AV terminal

Best resolution suggest:
HDMI 4K*2K@60Hz(10-bit)
AV 480i; 576i
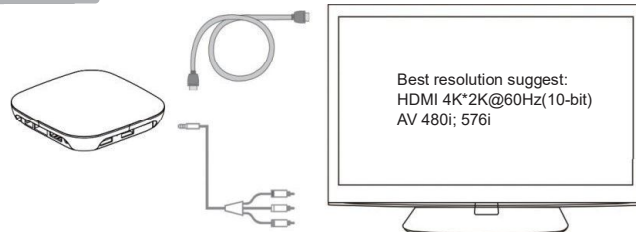
2.2. Terminal
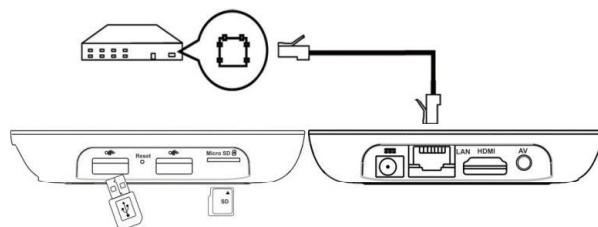
- Micro SD slot (support up to 64GB)
- USB 2.0 port support keyboard, mouse, U disk, mobile HDD and etc.
- LAN allows Ethernet

x Warning!   USB port allows only one mobile HDD at the same time!

Install Wizard

3.1. Welcome Page

When the Android Box is first powered up, Welcome Page will be shown. It will help you to configure the device.
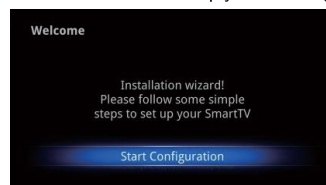
+Reminder

If you want to skip this wizard, press "HOME" key
If you have finished this wizard once, it will not auto-open again

3.2. Setup Page

Select Language:
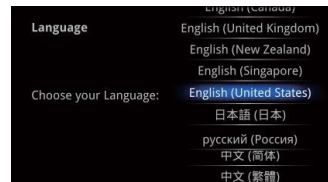
Select network type:
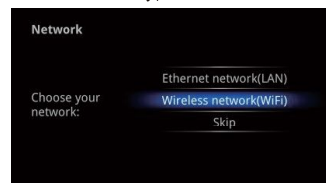
+Reminder

If you do not want to choose your network, you can skip this step by press "Skip"
You will also find the network settings in fuction "Settings"

Install Wizard

3.2. Setup Page

Select Wireless network(Wi-Fi)

If choose"Wi-Fi", select a Wi-Fi
Access Point
If choose"Ethernet", the screen will
show Ethernet connection status

Select Ethernet network(LAN)

Configure Ethernet manually
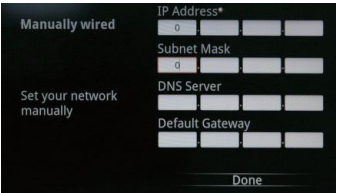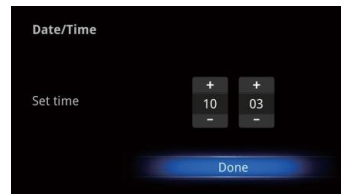

Set up the correct Time Zone

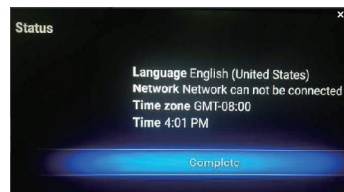If network is not connected, setup the
date and time manually

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Install Wizard

3.2. Setup Page

Setup data/time manually

Configuration

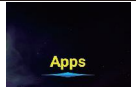Adjust screen size, using the arrow buttons on remote control

+Reminder

User can setup the Language, Network, Time Zone, Data/Time, and adjust screen size in this part
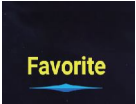
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Main Launcher

4.1 Main Launcher

Press the arrow buttons ◄/► to select the sub-screen and press▼ into sub-screen
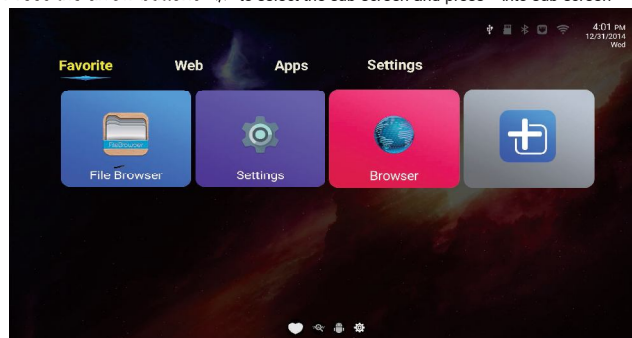
FUNCTION	DESCRIPTION
	Main Launche r ta bcontains : Time information(You can set time information at settings) ; USB/SD card/Ethernet/WiFi function status (White for w ork ing,gray fo r standby)
	All App menu can view and select more apps
	The Browser tab contains bookmarks and search bar. It allows you enjoy your time on surfing Internet. You can search for information and watch online TV etc.

Main Launcher

Main Launcher

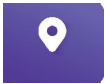| FUNCTION	DESCRIPTION
Favorite	Add you favorite APP to this directory
Settings	The Settings screen contains most of the customizing and configuration options, such as language, aspect ratio and network settings
	Create necessary APP shortcuts to the main launcher

Main Launcher

4.2 Settings

FUNCTION	DESCRIPTION
Wi-Fi settings	Check to turn on Wi-Fi so you can connect to Wi-Fi networks Check to receive an alert when an open Wi-Fi network becomes available Opens a dialog where you can add a Wi-Fi network by entering its SSID (the name it broadcasts) and security type
Ethernet	Turn on/off the Ethernet Ethernet settings: IP address, Subnet Mask, DNS Server, Default Gateway and etc.
Bluetooth	Turn on/off the Bluetooth
Advance setting	Contains all of the settings
Factory data reset	Restore factory default

4.2 Settings

FUNCTION	DESCRIPTION
City	Set city
Language & input	Select language Android keyboard
System updates	Local update Update system via update.zip from USB flash drive or micro SD card Net update OTA network upgrade
Date & time	Automatic date & time(Need network) Set date Set time Select time zone Use 24-hour format Select date format : dd/mm/yyyy ; mm/dd/yyyy ; yyyy/mm/dd
About device	Android version Build number

4.3 Applications

Install From USB Flash Drive/Micro SD Card

1. Open the "File Browser"
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 "Apps" after installation

Download & Install From Browser

1. Open the Browser
2. Press search key and input your website address
3. Download the APK file which you like if there is a link for download
   (If you have problems with downloading, please make sure there is
   enough space in your internal storage)

Remove Applications
1. Enter "advanced Settings"
2. Enter "APPs"
3. Find the application you want to remove in tab "All"
4. Enter the icon and press "Uninstall"
5. Press "OK" to confirm uninstall

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Specifications

Basic parameters		
Operating system	OS Version	Android 5.1
	Language	Multi-language
CPU	Chipset	S905
	Architecture	Quad-Core Cortex-A53 @64bit
	Frequency	Up to 2.0GHz
GPU	Chipset	Five core Mali-450
	Frequency	Up to 750MHz
	Video accelerator	Yes
	3D accelerator	Yes
RAM	Capacity	1GB DDR3 (2GB Optional)
ROM	Capacity	8GB Nand flash (4/8/16 GB EMMC Flash Optional)
External storage	USB Storage Devices	Supported (Mobile HDD need external power supply)
	Micro SD card	Up to 64GB
Decoder	Video Decoder	H.264/H.265 real-time video hardware decoder
Interface		
Charge	DC connector	*1 DC IN(12V/at least 1000mA)
Video output	HDMI	*1 HDMI 2.0 female, Up to 4K*2K@60Hz
	CVBS & Analog audio	*1 3 5mm jack
Micro SD	External memory	*1 Slot,support up to 64GB
USB port	USB host	*2 USB2.0 normal type
Ethernet	Ethernet	*1 10/100 Mbps
Button	Recovery button	*1