HC21SV User Instruction

Ver:001
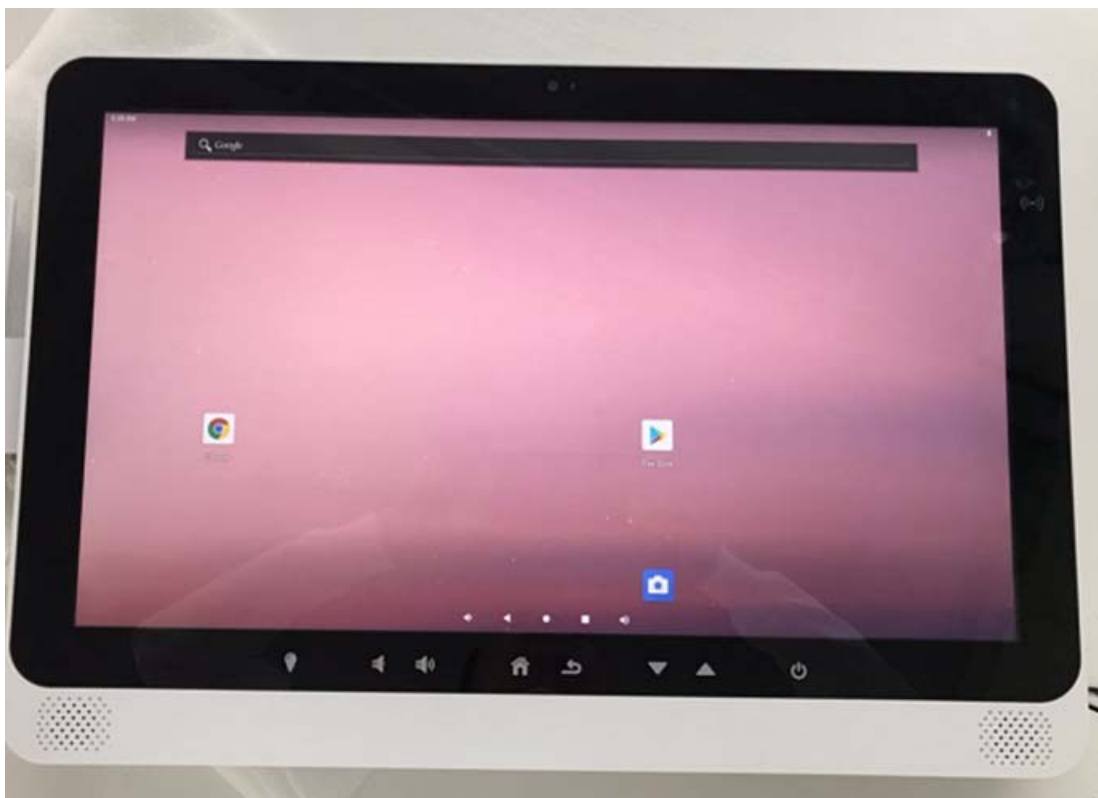
FCC ID:2AXYGHC21SV

SAINTWAY

Content

◆ **Product Descriptions：**

◆ Android 9.1 operating systems for this device;

◆ WIFI, Ethernet port high speed internet surfing;

◆ Built-in Bluetooth module, longer transfer distance and stronger signal;

◆ 21.5-inch TFT LED backlight 16:9 1920x1080 display;

◆ touch control;

◆ Both USB Host functions;

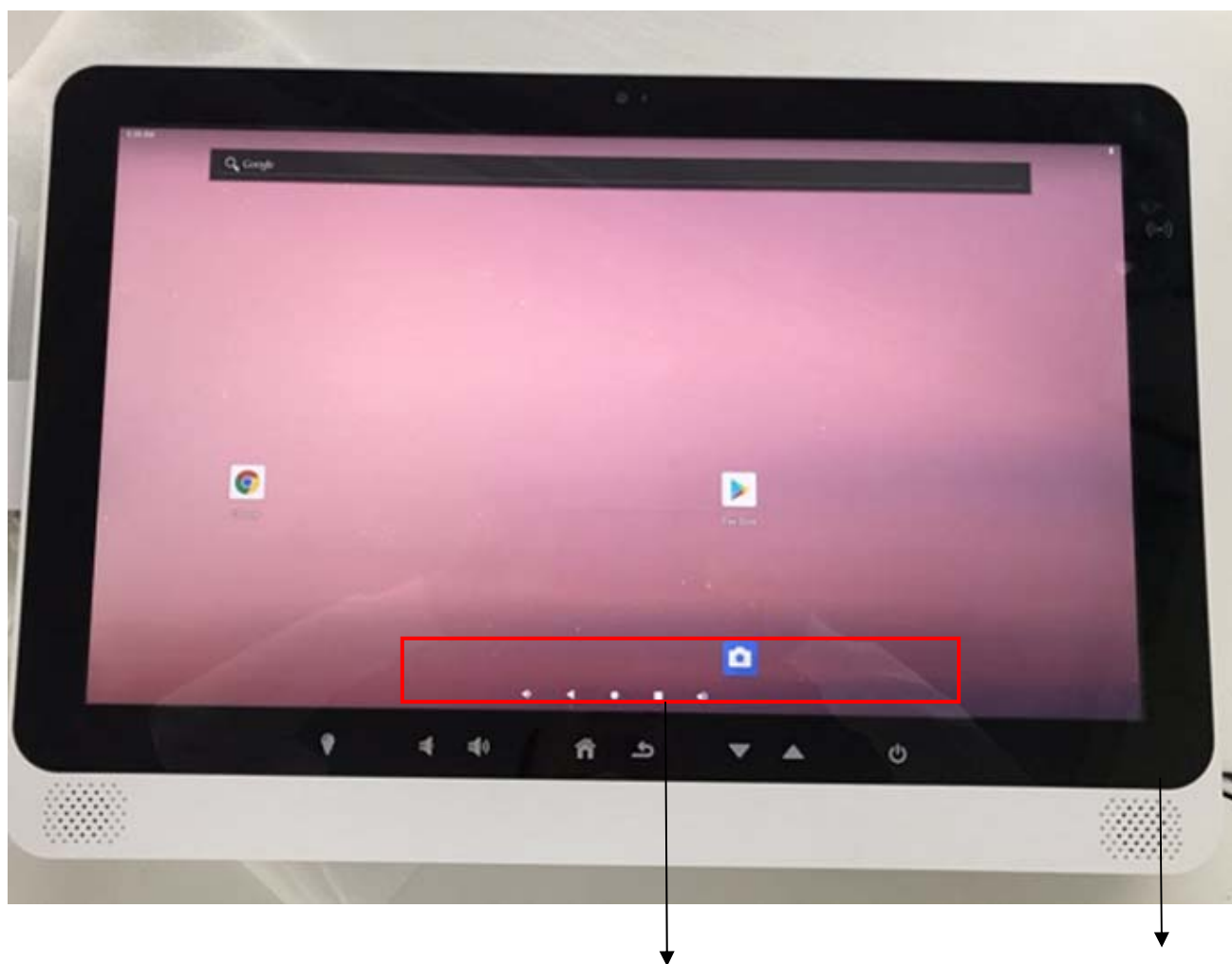◆ Double channel earphone jack, built-in 3W left and right channel speakers, with microphone input;

二、 **Product detailed specification**

Hardware		
Main Chips	**CPU**	**Rockchip RK3399**
	RAM	4GB
	ROM	32GB
OS		Android 9.x
Display	**LCD panel**	**21"　IPS-LCD 1920 x 1080 Pixels 300cd/m2**
		Screen Ratio 16:9
	Touch screen	Multi-touch Capacitive (PCAP)
Mainboard	**Wireless**	WiFi 802.11 a/b/g/n/ac (2.4G & 5G)
		Bluetooth 4.0
	RFID	RFID (Built-in CL-2200M AL HC15)

	Camera	13 MP camera
	Audio	Support formats: MP3, WMA, APE, FLAC, OGG, WAV
		Output: stereo speaker 8Ω/3W
		Audio Codex (MP3, WMA AAC, FLAC, WAV)
		Intergrated mic x 1
	Video	Support format: AVI, MKV(XVID/px/H.264), MOV, TS, RM, RMVB M2TS, FLV, 3GP, MPEG, DAT, MP4 etc
		Video Codex MPG-1, MPG-2, MPG-4, H.263, H.264, H.265, VC-1, RV, VP6/VP8/VP9, MVC
	Picture	JPG, JPEG, JIF, BMP,PNG
	I/O	HDMI OutputX1
		HDMI Input (1080p)X1
		USB A USB 3.0 X1
		DC power X1
		RJ45 100/1000 Mbps X1
		USB A X2 USB2.0
		USB A X 2 USB2.0
		USB- TEPY-C X1 USB 3.1X1
		RESET X1
		Stereo 3.5MM JACK x 1X1
	KEY	touch buttons
	Power	DC power in 12V
		External power supply 120-240V AC input
	Other Items	Supports PoE +
		Wake on LAN
		Watchdog timer
		IP Multicast
		OTA
		Real time clock
Extras		

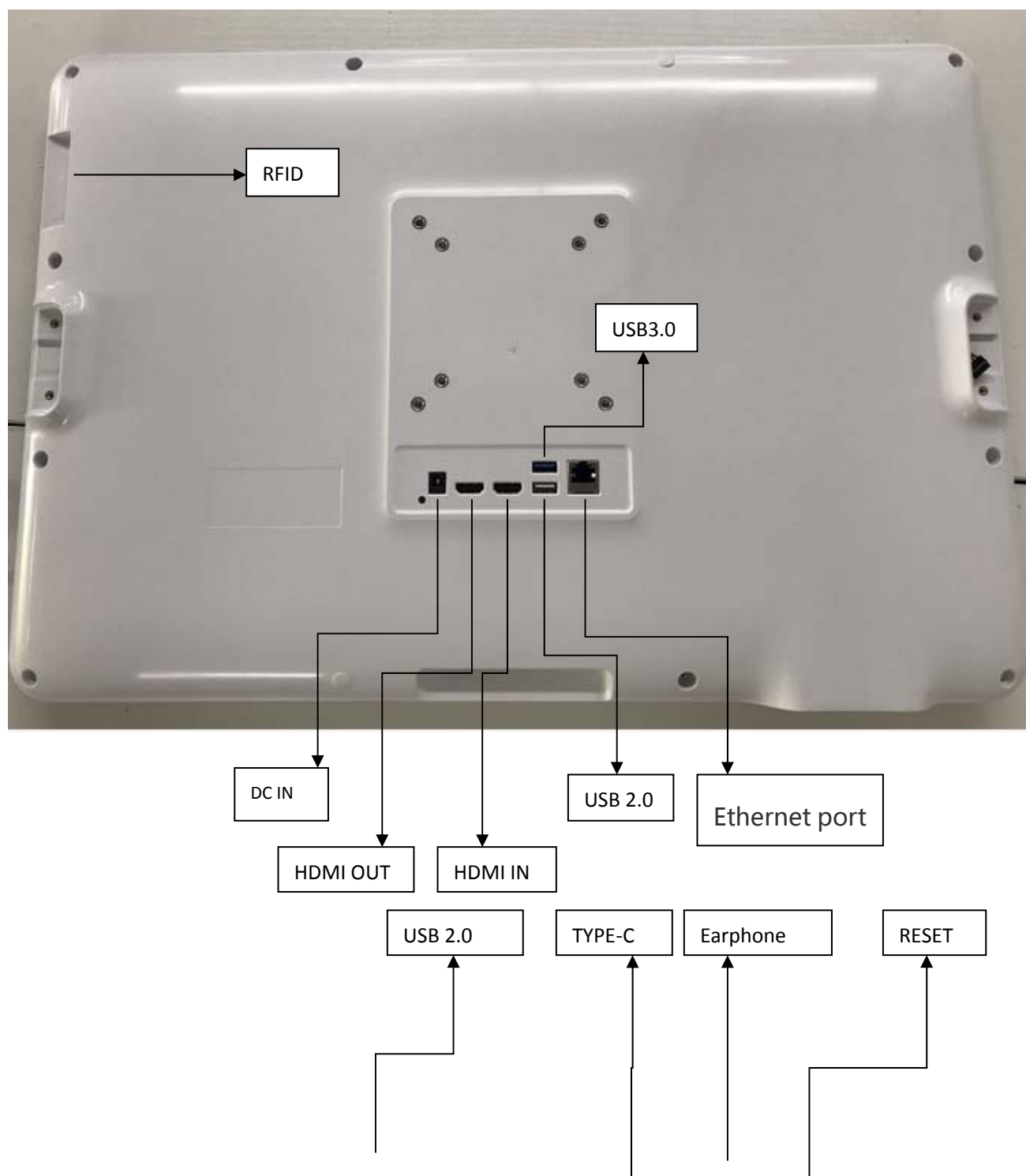|		
		VESA Mount compatible 75X75 和 100X100
		Reading light

◆ **Description to each part**

Touch the button

speaker

RFID

USB3.0

DC IN

USB 2.0

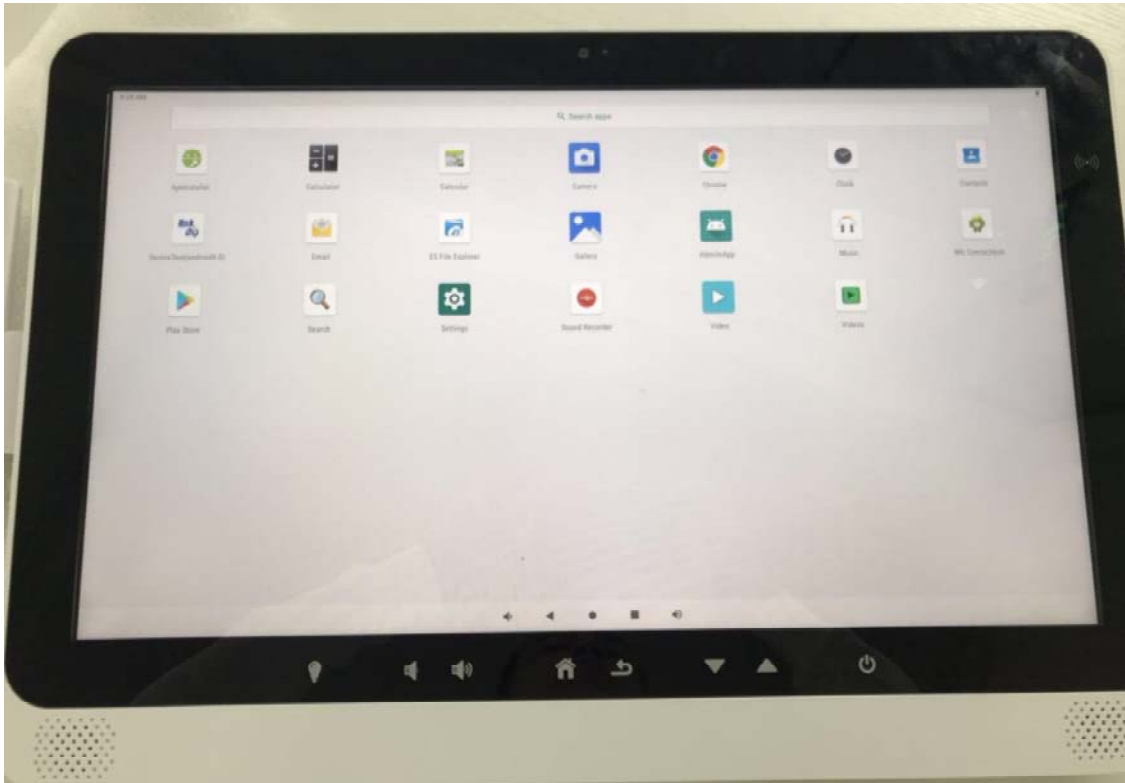Ethernet port

HDMI OUT

HDMI IN

USB 2.0

TYPE-C
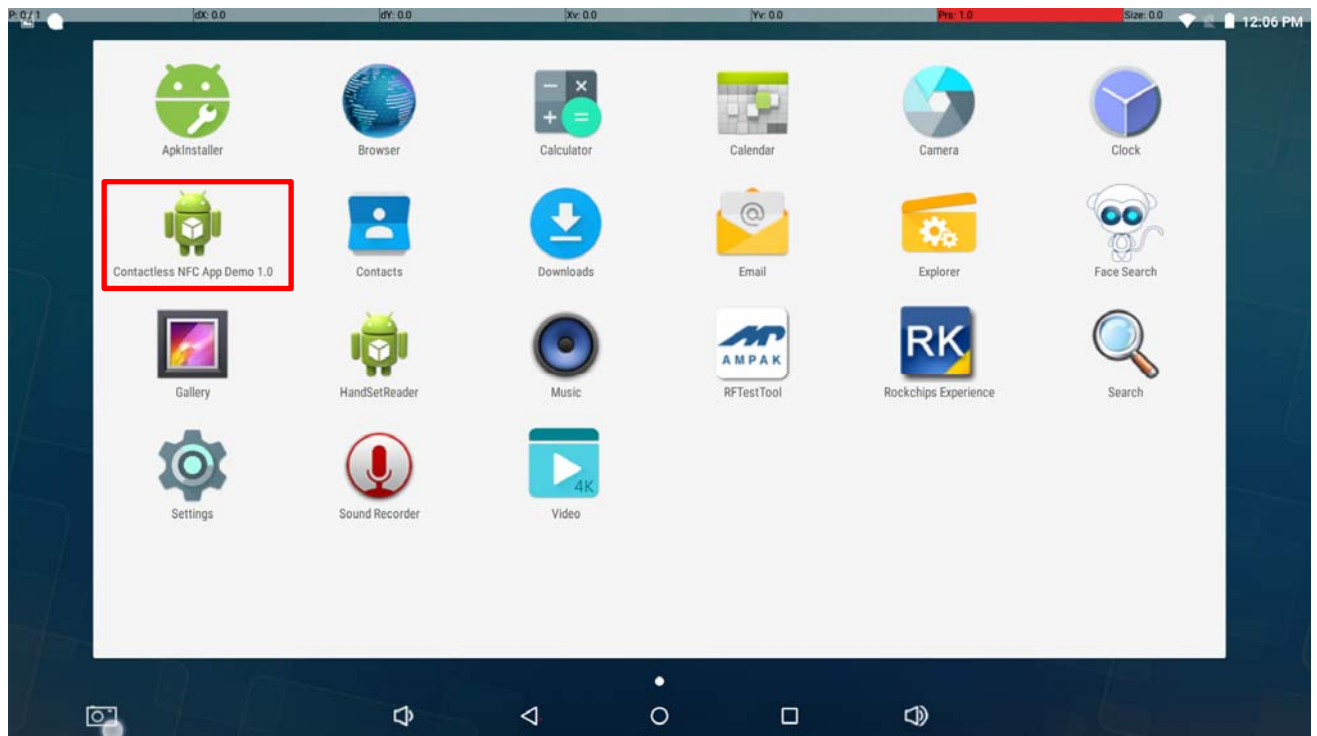
Earphone

RESET

四、**Usage for Android 9.0 version**:

1 、Below interface will appear when pressing Power button:

◆   Usage of USB flash disk under Android 5.1.1 is similar to under standard Android OS

◆   After Android 9.0   OS starts up, plug USB flash disk into USB Host connector

◆   The indicator of USB flash disk flicker, wait for few seconds, the system will load the disk automatically

◆   At this time, click "Explorer" icon, you will see a folder "USB" which is USB Flash Disk. click "USB" to read and write data

◆   USB flash disk can also be recognized before the system starts up
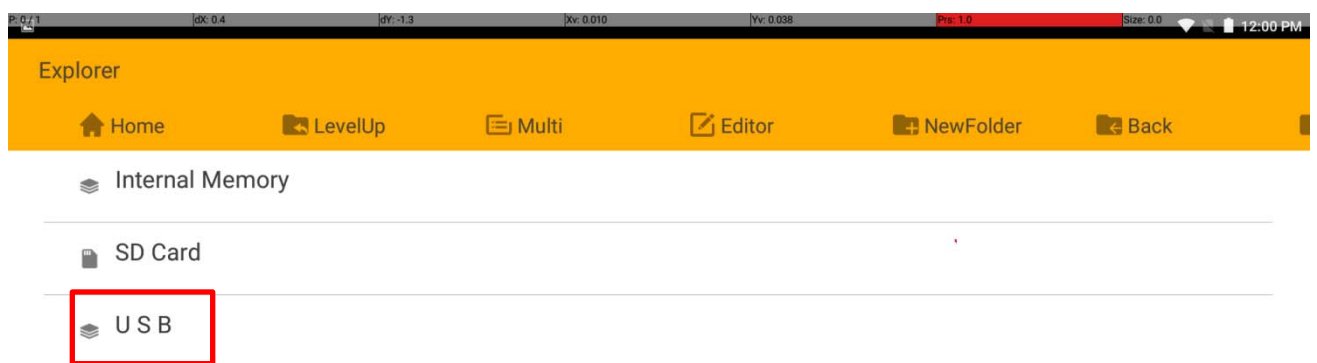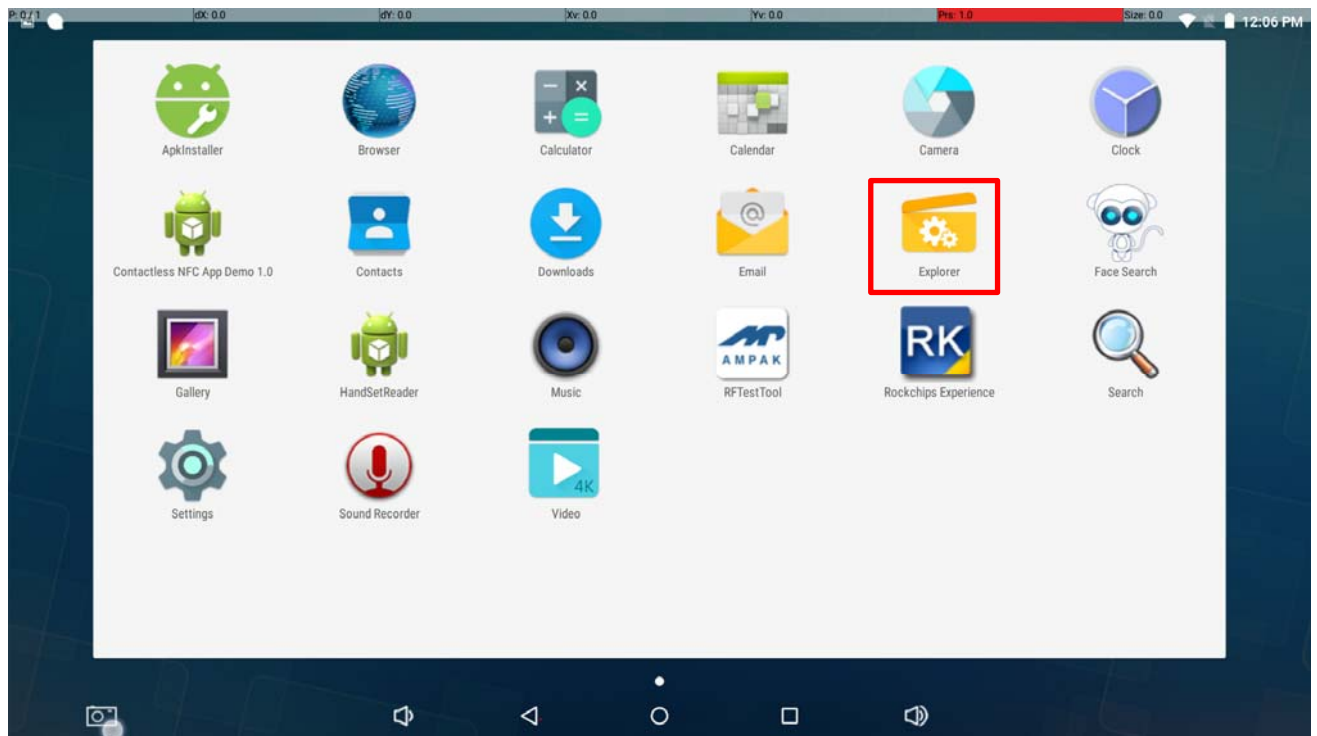
◆ RFID usage:
◆ Click"Contactless NFC App Demo",click"Open Reader"
◆ click "Open Reader"button, click"Connect RF Card"

◆ Audio Play:

◆ Insert the earphone into the earphone jack

◆ Put a music in MP3 format in USB disk and insert the USB Disk into USB HOST slot

◆ Then play this MP3 music in Android, you will hear this music from earphone
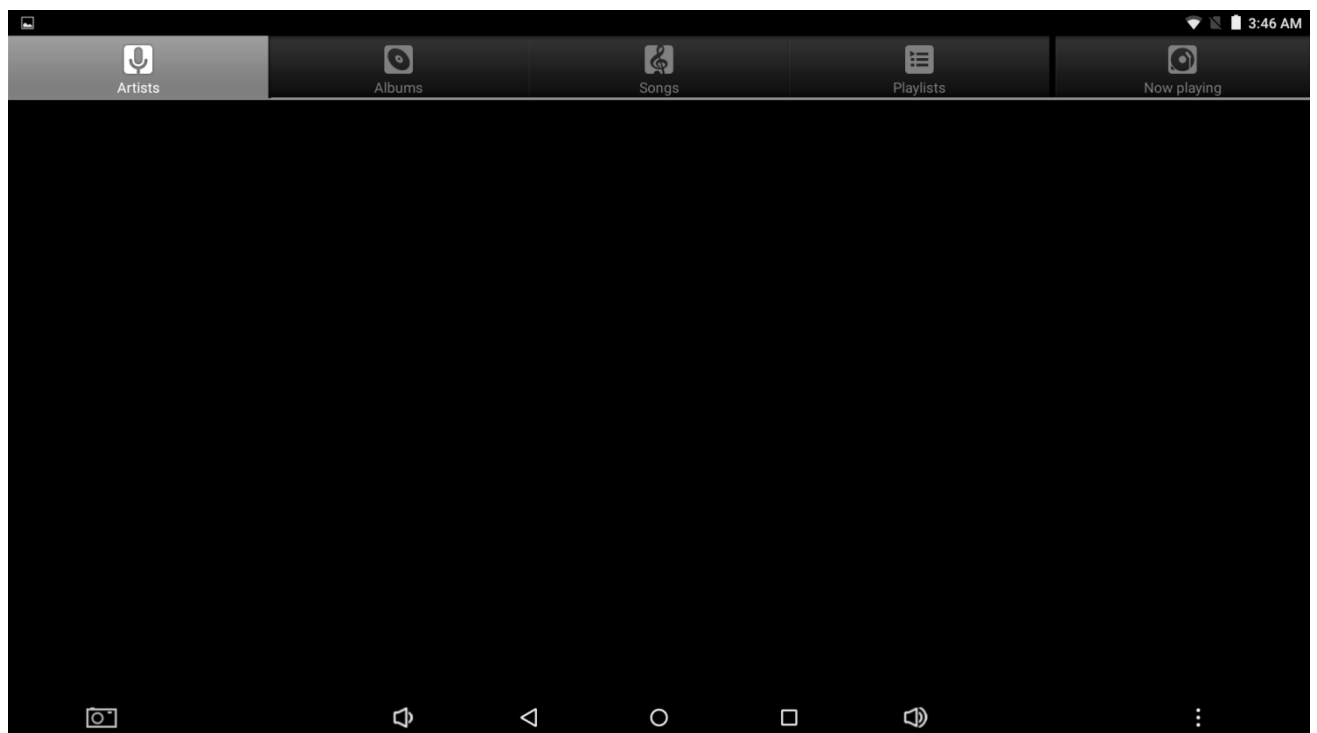
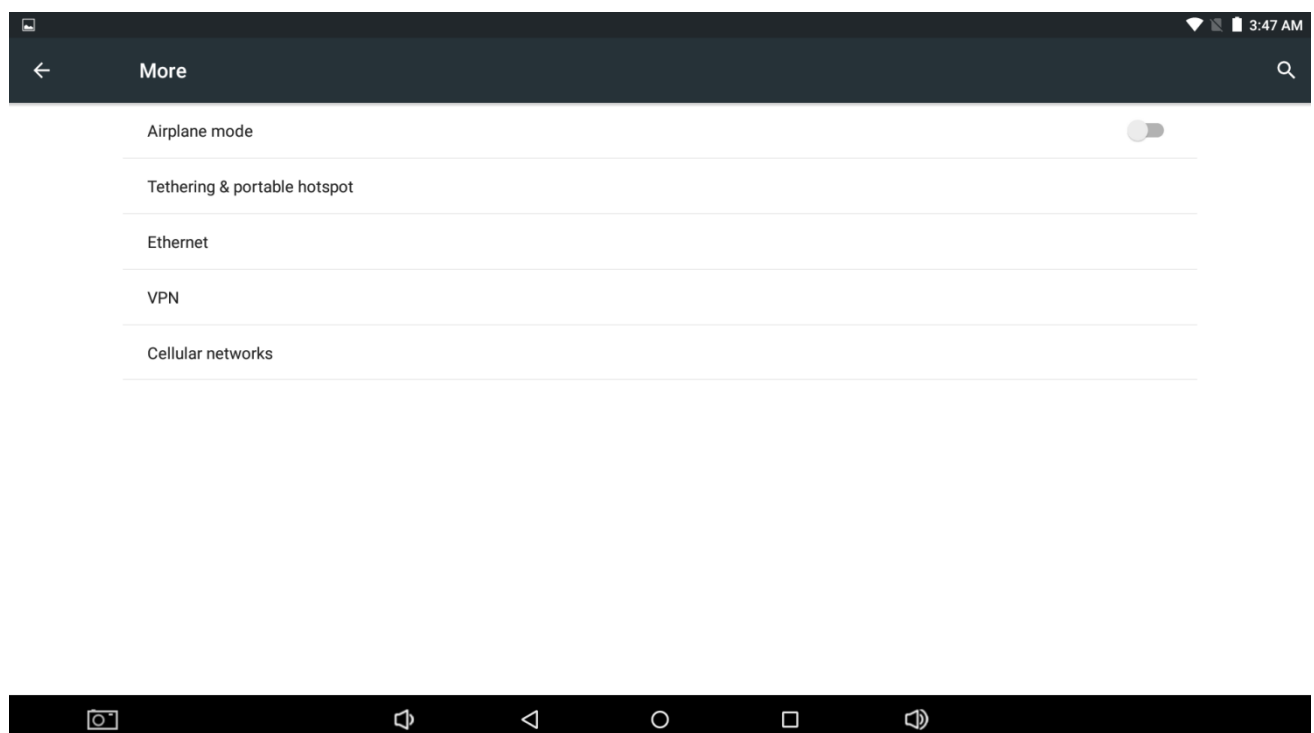

5、Video Play

◆ Play the video file, the method is same as playing MP3 file
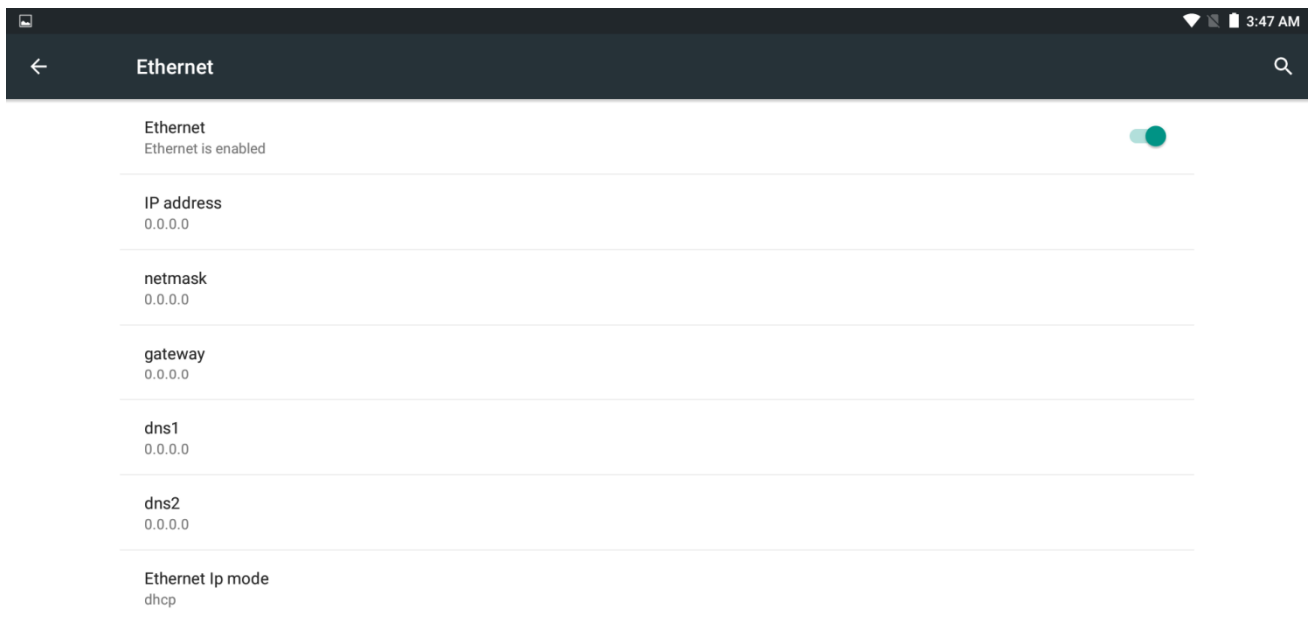
◆ Click"Video"

◆ Ethernet Port Usage

◆ Connect network cable coming HC15.
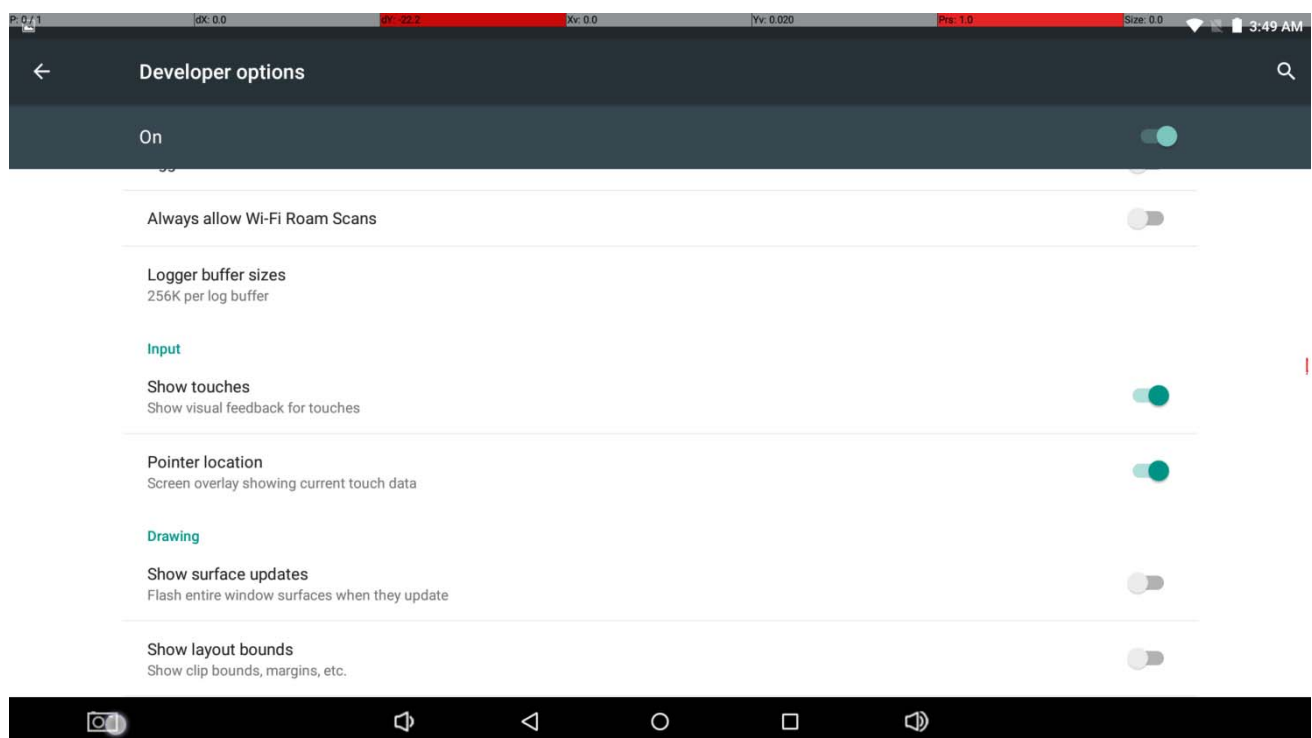
◆ click "Settings"
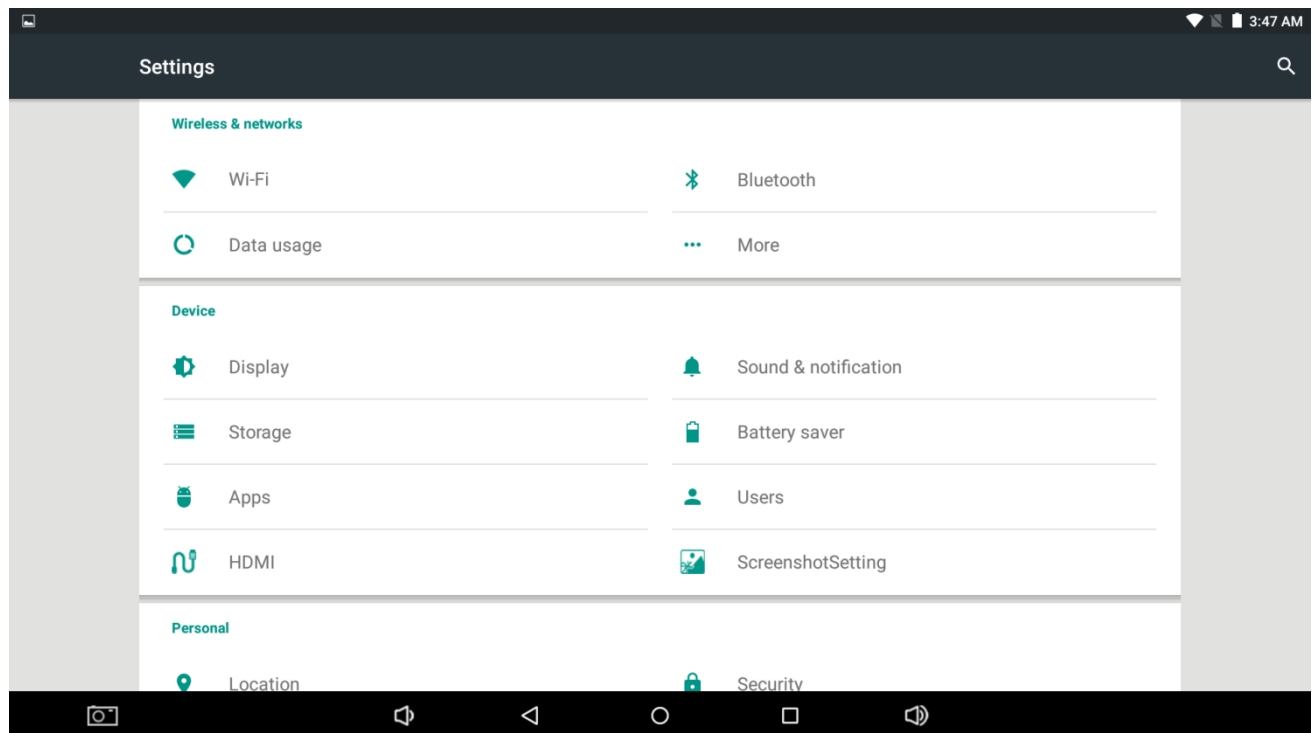
◆ click"More"

◆ click"Ethernet"

Setting static ip

7、Touch screen calibration:

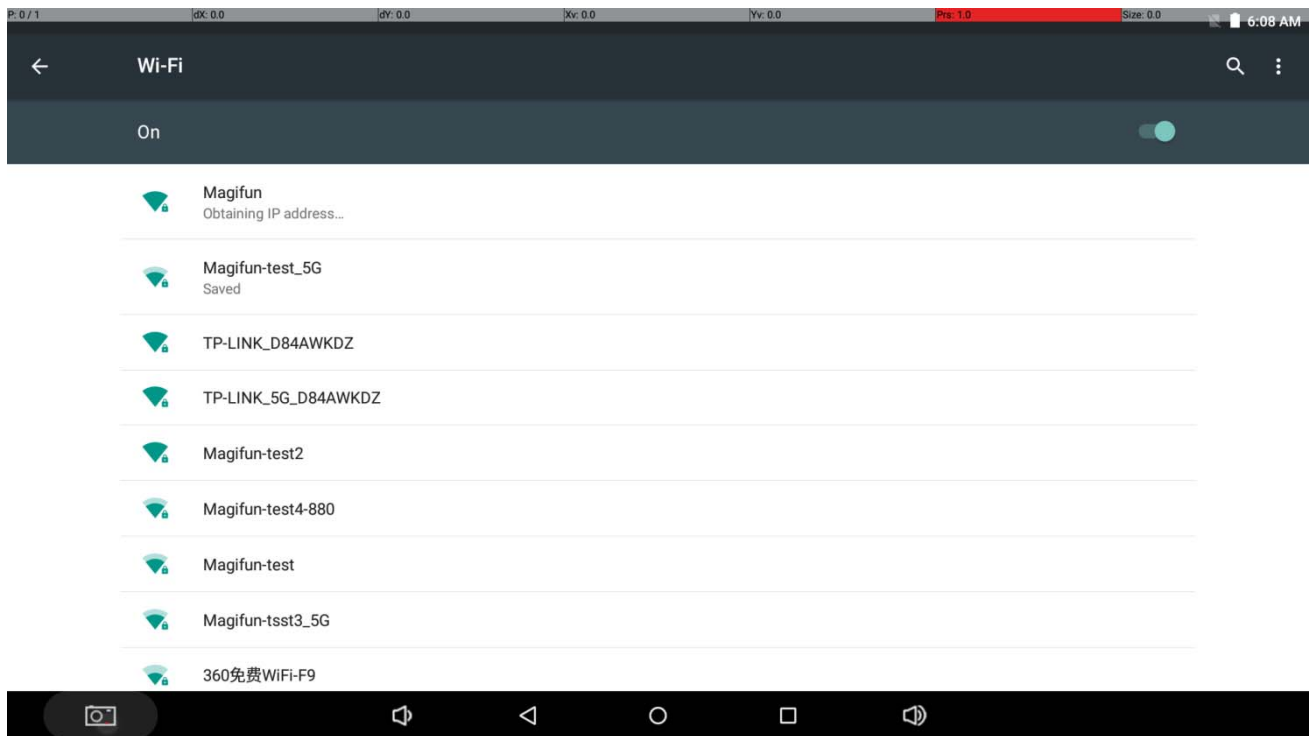1、 click "settings" → click "Developer options" → open"Show touches"and"Pointer location"

2、 Click right top OK

8、WIFI usage:

◆　 Click "Setting"

◆　 Click"WIFI"

一、Click"ON"

二、Click"SSID",input password

三、 **FCC STATEMENT**

RF exposure information: To maintain compliance with FCC RF exposure requirements, use the product that maintain a 20cm separation distance between the user's body and the host.

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.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

Note: 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.

四、 **CE STATEMENT**

Do not use the device in the environment at too high or too low temperature,
never expose the device under strong sunshine or too wet environment.
The suitable temperature for the product and accessories is 0℃-60℃.

When charging, please place the device in an environment that has a normal room
temperature and good ventilation. It is recommended to charge the device in an environment
with a temperature that ranges from 0℃~40℃. Please ensure to use only the charger offered
by the manufacturer. Using unauthorized charger may cause danger and violate the authorization
of the device and the guarantee article.

RF exposure information: The Maximum Permissible Exposure (MPE) level has been calculated
based on a distance of d=20 cm between the device and the human body. To maintain compliance
with RF exposure requirement, use product that maintain a 20cm distance between the device and
human body.

This charger is for indoor use only. The charger type is WTA36-1203000-G, output voltage/current is
12Vdc/3A. The plug considered as disconnect device of adapter.
If you use a third-party charger, the recommended output voltage/current of the adaptor is
12Vdc/3A.,and the adapter shall be CE approval type.

Frequency bands	Max EIRP (dBm)
WiFi 2.4GHz	15.94
WiFi 5GHz	20.32
Bluetooth	9.94

This product can be used across EU member states.

The Wi-Fi 5150-5250 MHz operating frequency is restricted to indoor use only.