USER MANUAL

I .Product Features:

- Support WIFI wireless internet ,quickly open the webpage ,support online games fight & skype video chatiing , online TV,online video .
- Video format,support 1080P(1920x1080) full HD decode .
- Game format, support PC grade H3D(HD real 3D) magnanimity internet games ,   support 8-64 simulator games (Nintendo, SEGA, SONY) , support android large 3D games.
- Build-in multi-game Manager.
- Support internet multiplayer fight games, support mahjong , chinese poker , chess fight etc.
- Support WIFI-direct connect multiplayer games
- Support adobe flash 11。
- Support online games .
- HD camera (DC) , DV fuction ,Support internet video calling and chatting .
- Built-in full HDMI 1080P output .
- 24 real color   screen,never color lump.
- Full screen touch , built-in multichannel sensor, perfectly support various games and application touch screen + button+

360 degree joy stick + sensor, overall contain all kinds of games and application

- ARM-Cortex A8 CPU, and now most advanced supposed type degree flow line .The speed of 1.2GHz dominant frequency is 5-10 times that of ARM 9/11.
- Lower power consumption .
- Powerful PowerVR SGX531 GPU 3D graphics engine, built in OpenGL ES 2.0 GPU,support large scale 3D games .
- Memory is 512M DDR3.
- Built-in android 4.0 operating system ,Support internet marvelous quantity android utility software : skype,msn, dictionary, Ebook read, PPTV, electronic dictionary , Eurpean commom market stocks software etc,user can download mass network application .

II.Basic function list :

1.VIDEO

(1) full formats support ,support 1080 (P1920x1080 pixel) decode and RM/RMVB。

(2) support PPS ,Support online TV &film .

(3) support flash player 11 online flash play.

2. Music : Full formats decode ,multitask play , enjoy music ,read book and play games at the same time , multichannel output .

3.CAMERA (1) Photo function (2) DV function

4. GAMES

   (1) 8bit nes/fc,gb,gbc (*.nes,*.gb,*.gbc)

   (2) 16bit smc,smd,sfc/snes (*.smc,*.smd,*.sfc)

   (3) 32bit gba (*.gba)

   (4) 64bit N64, V64 (*.n64,*.V64,*.z64)

   (5) 3D Mame (Arcade) (*.zip,*.fba)

   (6) SONY PSX (*.img,*.bin,*.iso,*.psx, *.z,*.bz,*.znx)

   (7) GP copyright game: native game (*.nge)

     (game maker(*.sgm)

   (8) android apk game (*.apk)

   (9) Flash 11 game, Flash online game (*.swf)

5. picture browsing

6. E-book Adobe reader ,PDF read function

7. perpetual calendar

8. calculator

9. IE Quickly open any website to see news ,office , read,

  online download.support webpage flash display .

10. E-mail,Office work . Support mail send and

   receive ,word &excel software open .

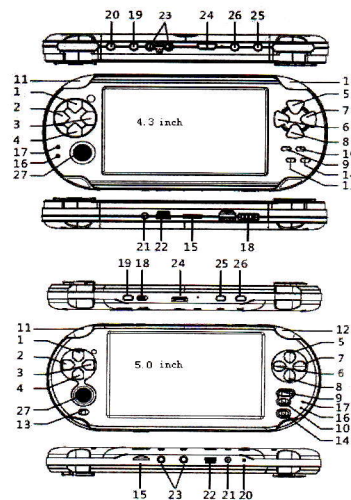11. Support multiple input method and handwriting input .

12. Support QQ/MSN/Skype chatting ,video chatting .

9) Support full screen touch control games ,support direction gravity sensor games and online multiplayer fight .

Ⅲ . Operating guide

1.button &interface instruction

(1) UP (Use for VOL+ and Fn at the same time)

(2) LEFT

(3) RIGHT

(4) DOWN (Use for VOL- and Fn at the same time)

(5) △ (game Y key)   (6) □   (game X key)

(7) ○ (game A key)   (8) × (game B key)

(9) Select

(10) Start

(11) L+

(12) R+

(13) ESC

(14) Fn (Use VOL and UP/DOWN at the same time)

(15) TF external expansion card interface

(16) charge indicator

(17) power indicator

(18) Wifi power button (option)

(19) POWER button

(20) (reset) reset key

21) DC 5V charge interface

22)USB interface

23) Earphone output interface

24) HDMI TV output interface

25) HOME

26) MENU

27) 360 degree 8 direction joy stick

2. power on/shut down/sleep /wake

Power on :makeing a long press on"POWER" key for over 3 seconds until screen display boot logo ,then it can enter the android 4.0 (ICS) operating system screen .

Shut down :make a long press on power button for

over 3 seconds in boot state,then entering off state ,and The power indication is off. Sleep: make a short press on POWER key in boot state,then entering sleep state. Wake up :make a short press on POWER button in blank screen ,then entering wake up state .

Note: (1)if you do not use machine ,make a long press on POWER key to shut down,or it will waste electricity . The POWER indication is light ,when it is in boot sate . The charging indication is light ,when it is in charging state . The power indication is flash light ,when it is in sleep state .

 (2)make a long press on power button for over 8 seconds in any boot state,then power off state.

3.start entering system

After entering Android system screen ,machine is in HOLD (lock) state, on touch screen by finger to unlock ,then showing the HOME operating screen .

Status bar :

(1) ESC (2) Home (3)task (4) Vol volume adjust

(5) full screen display (6)wifi wireless internet signal indication

IV.Android operating instruction

In Android system ,when operating some softwares, you can see the list as below : : / ----------》 represent root area

/boot

/cache

/data

/dev

/mnt ------》 Storage card mount

/system -----》 system folder

1. button operating

(1) ESC Quit and return the last operation .or return to the main menu .Generally it used to exit the application software, or return to previous menu.

(2) Menu ： Menu /quit

Menu : popup environment setting menu.

Quit : some application need to use menu to choose (quit)instead of ESC.

Live Wallpapers setting:on the menu of HOME interface , it can set Live Wallpapers .

(3) Home : button to return/recent use software button to return:

Home: Pressing the key directly return to a Home interface,unlike the ESC,ESC may return the former menu step by step . Inaddition, ESC exit will close the software. When the Home returns, software like multiple task switching, At the same time, opening application too much may slow down the system .

(4) Vol+/Vol-：Hold down the Fn and then press UP / DOWN to control volume

(5) UP/DOWN/LEFT/RIGHT : Direction key,support 45 degree direction

Fn + UP : volume increase

Fn + Down: volume decrease

(6) Start: confirmation

Enter before checked function

Choose and click to enter on screen.

2. SK android system folder general instruction

Android system is based on linux development , therefore,it isnecessary for user to know the difference between Android and Windows. (1) "/" path mark,when only one "/",it means the root area of catalogue .namely the top .both internal storage system and sdcard (or tfcard) are hung in the "/mnt" directory folder of the root zone

(2) Android system can tell the capital and lower case .so , generally with lower case.Eg. SDcard finding is not exist , because only sdcard .

3. application software: install / uninstall tool

AppInstaller instruction installation executable package of Android name is the. APK file, such as msn.apk, can be downloaded from internet a variety of games and other applications of APK file to the system of sdcard or flash, then AppInstaller

can be installed.

Installation: after entering OI file manager, Choose the APK file that need to install ,confirm it and then finish the installation.

Uninstall :(1) click the apk file that has been installed again, to uninstall the application software.

(2) Or enter [setting]-[application program]-[management application program]-[downloaded] to uninstall .

4.setting menu instruction

(1) wireless internet

  ① make the wifi switch to show [On]

  ② enter [setting] menu of home interface.

  ③ enter [wireless internet] ④ choose [open wifi]

  ⑤ Enter Wifi setting, find your own network name ,if have password ,input your password and connect. a condition icon on the screen will show Wifi sigal intensity .

(2) Sound: setting mute mode ,volume ,advice ring ,choice operating sound,screen lock-in time

(3) Display:set screen brightness,autorotation screen,Carton , lock screen time

(4) Screen calibration: calibrating touch position

(5) Application program:set unknown source,Compatibility Mode,quick start ,manage application program .

(6) Account&synchronization:set background data , automatic synchronization

(7) Privacy right: recover product setting

(8) SD card device&memory: inquire capacity

(9) Language&keyboard :choose language;input method, input keyboard

(1 0) Date & time: setting time&date

(1 1) Concerning equipment: check battery electronic quantity ,type , Android edition .

5. Game instruction

Open to "game manager",the will to list all local game files.

  BACK: return to last

  REFRESH: refresh interface

FLASH: /mnt/sdcard   TFCARD: /mnt/ext_sd

FOLDER: folder list   FILE: file list

ALLGAME:list all type games

Support games:

(1). NES (Nintendo 8bit nes game)

File type(*.nes)

(2).GBC (Nintendo 8bit GBC game)

File type (*.gb,*.gbc)

(3) SFC (super Nintendo 16 bit)

File type (*.smc, *.sfc)

(4) SMD (SEGA 16bit)

File type (*.smd)

(5) GBA (Nintendo 32 bit)

File type (*.gba)

(6).N64 Nintendo 64bit,SK copyright64 bit)

File type N64(*.n64,*.V64,*.z64)

SK copyright File type (*.nge,*.sgm)

(7) PSX (SONY PSX)

File type (*.img,*.bin,*.iso,*.psx,*.z,*.bz,*.znx) ,

Support compression PSX files,(supply psx compression tools),that will be reduce the 1/3 size .

(8) Mame (Arcade)

File type : (*.zip,*.fba)

6. Game Multi-Player by network / WiFi-direct

Open"game manager", only

NES/SFC/SMD/N64/PSX/MAME can support

Multi-players by network / WiFi-direct.

Selected a game will show As follows:

(1) Single

Single player select this item.

(2) Server/Client

The network connet by wifi-router, Server is master, Client is Slave. (Note : wifi-router maybe Not necessarily connect WAN Intelnet)。

Usage :1)From system setting open wifi,and connect to wifi-AP.

2)From game manager Click same game file(eg. "sanguo.zip"), one player use for Server, other player use for client. The will list can use server,when Client player enter, eg."GPLUS0.0.1@192.168.2.110 : 7575 : sanguo.zip"。

3)Client click the server name, both players enter the same game by network. (Note : Please select 2P mode,and click Start to play)。

(3) DCServer/DCClient

DC Server/Client is wifi-direct connect network.

Usage : 1) From system setting open wifi, and click wifi-AP, select " Forget " to off-line wifi-network.

2) From game manager Click same game file (eg. "sanguo.zip"), one player use for DCServer, other player use for DCclient.。 The

server will display servername (eg. SSID : AndroidAp _FQ6p) ;Client player select current wifi-direct server name "AndroidAp_FQ6p"。

V.Apply software instruction

1. OI file manager as per application installation department and file management.

2. Camera---photo/record DV :click OK or ICON on the bottom right to take photo.or transfer DV function to press OK/ICON, then starting to record DV ,finished and click Icon on the upside right corner to play .the file will be stored in the folder of /mnt/sdcard/DCIM.

3. Music :support APE/MP3/WMA/AAC/WAV/ OGG/FLAC/AC-3/DTS/RM etc.

4. Medium player --video play : format,support Movie Subtitle SMI titles .

5.Ebook reading(IReader option) support CHM, TXT, UMD, PDB, HTML, picture,with a flip effects, but the file can only be placed in the external expansion card.Reading will always do goods - it may support TXT, CHM, UMD, ZIP and other text reading.it Can support the memory and external card.

6. Search

7. clock

8. calendar

9. calculator

10. Play Store (Android market): it can be used to download/ install/upgrade application software .

11. E-mail

12. picture browser

13. browser :network browseer, at frist,open wifi function, surf input corresponding website by google,,if it need to use chinese input/ write /spell input ,please enter【baidu input method 】-【language & keyboard 】

-【setting】.

15. Online video- odd art movies:you can watch movie / TV series etc.by network,image quality is HD standard. As the machine adopts top kernel A8 and bigger 512M memory , it is very smooth in the network over 2M network.

16. Input method: the machine is installed 2 input methods software.which is android input method with associative ability.

It can support baidu choose baidu input method :PingYin/strokes/handwriting/five-stroke method. Usage:enter [HOME] - [setting]-[language&keyboard setting],choose [baidu input method],cancel[android keyboard].eg. When you enter browser ,it will popup baidu input

method automatically.

17. Angry Birds game

18. Fruitninja (game)

19. Asphalt (game) 3D Race Game,when use it, put the date package in /mnt/flash. about 97MB,if not exist , it will indicate to download it by Wifi . memory.

VI. use wireless networks

(1) if have wifi switch,please switch wifiswitch to [ON] postion.

(2) click Setting menu;

(3) click wifi,select to Wi-Fi ON

(5) Find your Wi-Fi AP,then input passwd.

VII. HDMI TV OUT

It can output high amounting to 1080P Full HD video to HD television. Connect with HDMI line, the machine will prompt (HDMI is connected). Remove the HDMI line,it will off-line. The user can use the PPS / Qiyi network video software,and view online network television drama etc.by HDMI output.

VIII· USB

(1)   USB connect :

In Power on state,the USB cable connectto PC, then click icon on touch screen.

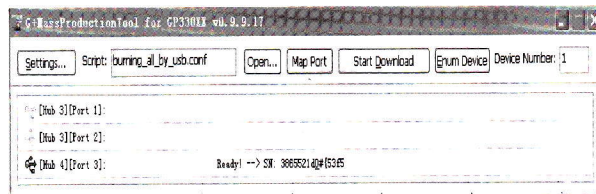The player will disply to disk ,one is mnt/sdcard , other is mnt/ext_sd,when connected to pc.

(2) direct connect to pc

Enter [setging] - [device] -Connect to PC select auto connect.

IX. system upgrade/recovery

1. USB upgrade (HOME = ISP key)。

In power off stata,press HOME(ISP) and hold, and plug USB cable, the play will enter ISP upgrade mode,if the nand flash is new,the player will auto enter ISP mode.

Code save path \Code\burnBinaries 下 :

(1)bootheader.bin

(2)scanram.bin

(3)bootpack.bin

(4)firmware.bin

2.Open G+ MassProductionTool For GP330XX.exe

(1)In Power OFF state, press Home key and plug USB cable.

(2)click < Start Download>。

(3)The download finish and restart player.

2 USER firmware upgrade (Menu key = Update)

In Power OFF state, press menu key and hold,then press power key to start.

Enter Update mode, place firmware.bin into Nand or TF memory, use joy to select,   click Power key to confirm.

X. System Specifications

NO.	Item	Specifications
1	CPU	ARM-Contex A8 1.2 GHz
2	3D GPU	OpenGL ES 2.0 PowerVR SGX531
3	OS	Android ICS 4.0.4
4·	TV Out	HDMI 1080P

5	LCD	1.TFT 7' 800x480 pixel 2. TFT5.0' 800x480 pixel 3. TFT4.3 480x272 pixel
6	Touch	Two / Five Point
7	Ext SD	Micro TF(max.32GB)
8	DDR	DDR3 512MB
9	Wifi	802.11
10.	USB	USB 2.0
12.	DC	3.5mm >1.5A
14.	DV	VGA (640x480 @30fps)
15.	joy	360 degree, 8 direction
16.	key	12 full function key, 3 android key, Vol key.
17.	Nand ECC	60bit ECC