HD Network Advertising Player System (AP64)

---- User Manual

1 SYSTEM OVERVIEW

- With the multimedia technology and electronic technology, digital video, high-definition technology has become an inevitable trend. In order to meet the growing market demand, the standard definition version of the company following the launch of online advertising machine AP63 solutions, and timely launch of the HD version of AP64 complete solution for online advertising machine. The program is based on C / S mode network information distribution system, which consists of advertising client (set-top box, STB) and server management software of two parts. Advertising clients can smoothly play high-resolution 1080i, 13M stream high-definition film sources; server side with management software to meet the needs of high and low, to achieve the function of backward compatibility, you can at the same time both SD and HD versionsclient for playback management and monitoringAP64
- AP64 online advertising system structure





Hardware features

1.Video decoding: MPEG2, H.264

2.Audio decoding: MPEG/1/2/3, AAC, AC3

3.TV mode and output: YUV, HDMI, VGA, CVBS

4. Support display layers: Video layers, Graphic layer, OSD layer

5.Support for peripheral interfaces: VGA output, HDMI output, YUV output, CVBS output of two general-purpose RS232 serial port, USB Interface, CF card slot, IR / VFD, SATA hard disk interface

Performance Characteristics

1.VGA output - up to 720P
 2.HD Output - up to 1080I
 3.Support picture format: BMP, JPG
 4.Support 7x24 hours a day to work

Features

1.Support split-screen play: Screen can be divided into multiple display areas, and used to play different content

2.Can play a wealth of resources, including video, audio, images, text, video files:. Ts,. Mpg audio files:. Mp3,. Aac,. Ac3 image files: 24. Bmp,. Jpeg text: normal txt file

- 3.Supports text, picture scroll
- 4.Spots feature support
- 5.Support Play template customization
- 6.Support cable network, remote monitoring the operational status of the client
- 7.Support the client timer switch
- 8. Available in English and two switch interface
- 9.Maintenance-free client, the client software can be updated online

Application areas

1.Crporate image, brand franchise stores and other information management systems for issuing

2.Banks, hospitals, securities and other bulletin board system

3. Telecommunications, postal services, Mobile, China Unicom and other information distribution system operating room

4. Stations, airports and other trips, flight information release and announcement system

5.Buildings, shopping malls and other video advertising system

6.National Press newspaper, multimedia, newspapers and advertising system

7.Video advertising and stadium announcement system

8.Communities, restaurants, entertainment and other public places and areas of notices or advertising system

2 SYSTEM HARDWARE COMPONETS

Server and client set-top boxes achieving the Internet and order interaction through the TCP / IP network. Bellow that is diagram HD AP64 online advertising system.



▲ Server Part

Install the AP64 server software on a computer. Requirements: Up to P4, with Windows 2000/XP/2003 or later operating system.

▲ Client Part

Clients include:

1.HD set-top box advertising board

2.Board set-top box can be "wired" ,"wireless" and "3G" connection with the server in three ways

3.CF card:plug into the player board.

Use good quality CF card with speed of 133 * or up to 133*

4.DC power supply: DC 12V input for the set-top box with the motherboard power supply (receiving $12V \setminus 3A$ power adapter)

5.Monitor: You can use ordinary or high-definition TV for the display, or, customers can configure their own circumstances

▲ Hardware configuration set-top box motherboard

1.Boot ROM: Standard 512KB/SPI/ FLASH

2.SD RAM: DDR2 (256MB)

3. Storage device: (choose one)

Support FAT32 & EXT3 format 2.5 "HDD

Support FAT32 & EXT3 format CF card

4. Audio: Dual-channel stereo output

5.Video Output: YUV, CVBS, HDMI, VGA (Note: YUV, CVBS, VGA can not output; HDMI, VGA can not output)

6. Network Connection: Support 10M/100Mbits network connectivity, standard RJ45 interfaces

7. USB2.0 host control, support U disk read and write, USB data communication

8.IR: Support IR receiver, remote control switch

9.Other peripheral interfaces: Two UART interfaces (one for debugging, a feature can be used for external expansion interface)

10.Support hardware encryption

3 MANAGEMENT SOFTWARE SERVER GUIDE

Main functions of server management software,genarate the playlist(playorder) and update the play states. include:

- Manage user
- Manage source
- Manage STB
- Manage play template
- Custom player content
- Custom schedule(task)
- Custom play list
- Monitor STB
- Monitor FTP download

1. Install login and start

1.Install

Install AP64 software on the computer, Provide you with the package will usually include a server directory. Double-click the directory "ADPlayer.exe" file, the computer system will automatically perform the installation. According to the installation process prompts appear on the screen can be, recommended default settings.

2.login

Installation AP64 software (ADPlayer.exe), directly double-click the computer icon on the desktop shortcut or from Windows ADPlayer system status bar and then click Start \rightarrow Program \rightarrow AD \rightarrow ADPlayer to start the server management software.

Note:For the official release, necessary to start the server PC's USB port plug in the AP64

system supporting the hardware dongle to run

3.Start

After software is launched, you need to enter the user name and password.

User Na	ıme:	_
Passwo	rd:	
OK]	Cancel

Please put username and password both are ${\bf k}$ to enter

(The software has set a privilege user, called administrator, with initial password is 6666666. To the first run, you can use this privilege user to login. After logined in, users can add general user. Since then general users can log in the system. So k is the general user of username and password general user)

First run the software, after user login, the system will ask to set up a main directory (ie, FTP path). The main directory used to store a variety of play resources, including audio and video, text, pictures and so on. Set the interface as shown below

FTP Account		
Main DIR:	E:\content	Browse
FTP User:	k	
FTP Password:	*	
Confirm Password:	*	
FTP Address:	192 . 168 .	1.5
Min Port:	1025	1025~65535
Max Port:	65535	1025~65535
LimitRate:	10000	KB/S
ОК		Cancel



OK to confirm. Main DIR: C:/=>program files=>AD-LNAD=>content FTPName:k FTPPass:k Re-type:k FTPAddress:is the IP address of your computer which install LNAD server. LimitRate: defaulted 1000 Click OK to confirm Note: After the completion of the above dialog box, click \"OK\", FTP server will automatically restart after a moment can be used normally

The main interface as follows:

D AD									
Setting Task Server	r Language Help								
Quick Order	STB Monitor	Online MAC: 0 STB State						Offline M/	AC: 0
User Management	5TBGroup 	MAC	Name	IP	GateWay	Status	Task	Template	Ope
Resource									
Template									
Content	Non-Registered								>
Play Order		MAC:	Device:		Path:				
STB Monitor									
STB Management									
Log									

The following step "Quick Order" may not choose for the operation

3.process and steps

- Process 1: copy resource files to the directory
 - After set up directory, you need copy resource files to it
- Process 2: regist STB

Add STB information in the server, includes MAC address

(if IP address is setting right,MAC address will appear on the server page,you do not need to know the MAC first)

- Process 3: Add resource
 - Add resource files from directory to resource manage template
- Process 4: custom player template

- Display the screen and play background screen, divide player region, add system clock

- Process 5: Custom player content
 - Add resources from the template of all regional players (audio and video, text, picture)
- Process 6: Custom schedule (task)
 - Play specific task for a specific period. Each player task includes a list of player content
- Process 7: Custom and generate player list
 - For a STB (Group) arrange one or more player tasks, and then generate playlists (order) for download and play
- Process 8: Modify and update playlists

-After generated the orders, there may be needed to be modified. If revised, there exist only in the implementation of update playlist in accordance with the new client to the new playlist.

Process 1: copy resource files to the directory (C: /program files/AD/content) the default directory

After set up the directory, you need copy the next play resource file to it. If not,

client will not play these content.For example,you will play video files,then open video floder to copy the playing files to there.

Process 2-1: The system will auto appear "not register:

Setting Task Serve	r Language Help	_	_	_	_	_	_		
Quick Order	STB Monitor	Online MAC: 0	-		_			Offline M	1AC: 0
User Management Resource	STBGroup STBGroup yyy D101202 zhejian	MAC	Name	IP	GateWay	Status	Task	Template	Ope
Template									
Content Play Order	Non-Registered	Device Conte	IIII Int Device:		Path:				>
STB Monitor	Log								
STB Management									

- 1.Click "NoRegister"
- 2. right-click the MAC numbers and ok
- 3.And choose the group

	Register		
📂 StbGroup	MAC	Name	Remar
	<		>
Add		(Cancel

4.start again the STB player.It will be online

Process 2-2: Regist STB

Only the registed mac STB by LNAD system server can connect server correctly.

Click	the	icon

STB Management

on the left side of the main interface.

First Add Group: click "add" in the button of "STB Management" in STB by the left side to appear dialog of editor STB Group, input corresponding information and click "OK"

· · · · · ·	Group Edit	X
Parent	StbGroup	
Name		
Remark		
Ok		Cancel
STB Manage		IS Delete
STBGroup -		
StbGr	oup est	

Click this STBgroup to add MAC address.to click add to appear

	STB Edit		×
Group	test		
MAC	00e04c3b0280]
Name	test1]
Remark			
Ok		Cancel	

Then the interface will be

atting Task Server Lang	uage Help		_	_	
Quick Order	nage Add Modify D roup	el		Add Modify	Del Move
User Management 📂	STBGroup	MAC	Name	Remark	
Resource Template Content Flay Order STB Monitor STB Management	7977 101202 2hejian 77901 101128 shanghai 222 101104	0004440015c 0040440017c 00404400107 00404400126 0040440017c 0040440017c 0040440018b 0040440018b 00404400185 00404400136 00404400136 00404400115 0040440011b 0040440011b 0040440011b 0040440011b 004044001168 00404400119 00404400119 004044001184 004044001184 004044001184 004044001184 004044001185 00404400185 0040400185 0040			

Tips: Only registered MAC address in set-top boxes (STB) can properly connect to the server. After add STB Group, you can delete and modify information

Process 3: Add resource

After all the waited play resources put into the server side of the main resources directory, there must also be added to the list of the main resource management interface as the content of client players

Tips: AP64 HD advertising clients can play resources, including video, audio, pictures, text. Among them, the video encoding format is H.264, mpeg2, suffix .264,. Mpg; audio file suffix. Mp3; image support 24-bit bmp, jpeg; text as an ordinary txt file1.Specific operations are as follows:

already in the system and its related information

3.click "add" to appear add element dialog

R	esource	Edit								×
	E:\content									
	Return									
		E								
	audio	m	рз —				IUIIU4.DIN	222,DIN	logrile	
	f card	shano	jbai bin	101128 bip	zvou bip	zbejian bin	101202 bip			
	a_card	Shang	pronoli i	101120.001	27007011	znojiarnoiri	101202,001			
	Eleme	ent Name			* Rei	mark(Less than	50 characters)			
	Flam	ent Tune	AVI MPG MP3		*				2	
	Liem	ent rype	BMP JPG TXT						~	2
			TS				Canad		>	
			,							
						×				
			Add res	ource successf	ully					
				Ok						

In this dialog, there appeared all the directory resource files (note: waited-add resource must copy in advance to the directory)

4. Double-click one of file, and click one if it, modify "elementname" and "Remark", and choose elementType

5. click"ok", then it can be added selected resources and related information to the systems

Reso	ource Management Resource List					ف	dd Modify Del
	Element Name	Element Type	ALL	-	Path	Create Time	Information
	part1.ts	TS			video\part1.ts	2010-11-4	
	1.bmp	BMP			picture\1.bmp	2010-11-4	

Figures in the list shows that the resource and its information has been added to the system. Click "Modify" and "Delete" button on the top right to carry out further revision, or be deleted. Modify the operation of resources and add similar resources, no longer repeat them.

If adding a number of resources, click on the list title "element type" on the right of the drop-down box can show a

certain type of filter information resources.

Process 4 : Custom player template

Template management modules for the display screen of set up playing background screen, dividing player region and adding system clock

Specific opperations are as follows

1.quick key to enter template manage interface.List one of the template already in the system.

🔁 AD				
Setting Task Serv	er Language Help			
-				
Ondata Ondan	Template Management			Add Modify Del
guick order				
	Template List	1		
User Monogement	Template Name	Area Num	Remark	Create Time
ourse managements	111	2		2010-11-4
	443	3		2010-11-5
	666	3		2010-11-5
Kesource	VGA720	3		2010-11-16
	2233	2		2010-11-17
	3344	1		2010-12-4
Template	5656	1		2010-12-4
	111212	3		2010-12-4
	12	2		2010-12-6
Content	fff	1		2010-12-9
	dddd	1		2010-12-9
	hdi080	3		2010-12-10
Play Order				
riay order				
STB Monitor				
STB Management				
Log				

2. Click" add" key to appear edit template dialog

EditTemplate	
^	Template
	OutMode HD_1280*720 -
	Video Pic / Txt Clock
	Del Area Add Back Del Back
	🔲 Allow Area OverLap
	Area Position
	Y:
	Width:
	Height:
	Change video size
	_
	<
	Less than 50 characters
	Save

In OutMode, you can choose HD, SD and VGA Signal for display. When you choose one, you need to change the TV output signal.



Back choosing

Add Background Imag	e	
		送 (美)
Name	Туре	
1.bmp	BMP	
forex.bmp	BMP	
lottery1280x720.bmp	BMP	
subway1280x720.bmp	BMP	
mm19201080a1.bmp	BMP	
mm19201080b2.bmp	BMP	
Webshots_002a.jpg	JPG	
1		
(OK		Cancel

Video choosing

Draw Vide	o Area		
	Video Area Size:		
	320*240	-	
	440*330 484*363	^	
	500*375 640*480		
ок	720*480		Cancel
	720*576		
	1280*720	~	

Click "Video" button to specify the background of a video playback area. Note that a template can specify a video area, and video resources can only be added to this area. In addition, due to hardware limitations, the video area of the left and right edges of the x coordinate (X1 and X2) must be a multiple of 16.

5.Click "Pic/Txt" to draw areas to the images and text.



6.Click "Save" key

olate Manage		ate Manage			Add Modify	D
Templet List						
emplate name	jarea num	Remark	create time			
bank	4		2008-12-23			

Choose the newly-built template, click "modify" or "delete" on the right to change information. The same operation as "add"

Note:A template can specify to 12 regions, including the video area, drawing area, custom area.By default, the player can not stack or cover between regions, if the need for regional overlay or cover can check the bottom right of the window "to allow regional overlay" option."

Process 5 : Custom player content

	1.Click quick key	ontent	o enter the content interface and "add" the content
Dettin	g lask Server Language Help	-	
Edit	Play Content Area0[Custo	mVideo)	Image Are al Play Content Name Duration Load Template Text Video Image Resource Type Up Down Del Modify
			Save

Specific operations is as follows:

2. Enter the name and play time, choose template.

3. Choose one of the play area, click"txt", "audio", "picture" to add relevent information.

	A	dd video audio	
name	type	path	
mzone1.avi	AVI	video\mzone1.avi	
select to update)	-bind rolling txt	
Oupdate			
Ok			Cancel

Chossing "Video" by click video area.

Chooing "image", Normal means the image is not move, vertical means the image is morve rollingly.

Add Image			<
Name	Туре	Path	
1.bmp	BMP	picture\1.bmp	
forex.bmp	BMP	picture\forex.bmp	
lottery1280x720.bmp	BMP	picture\lottery1280x720.bmp	
subway1280x720.bmp	BMP	picture\subway1280x720.bmp	
mm19201080a1.bmp	BMP	picture\mm19201080a1.bmp	
Mm1920108002.0mp	JDC	picture(mm1920108002.0mp	
webshots_002a.jpg	DFG	picture(websitors_002a.jpg	
1			
Display Mode		Roll Speed	
💿 Normal 🔿 Vertical	0	Logo 🛛 🔿 Quick 💽 Middle 📿 Slow	
	_	Select To Update	
H: :N	1	:S C Update	
ОК		Cancel	
- Choosing "txt"			
dd Text			

IL IGAL						
Name		Туре	Path			
C语言.txt		TXT	txt\C语言.txt			
welcome.txt		TXT	txt\welcome.txt			
Display Mode —				Roll Speed		
~ S:	~				-	
Normali	O Horizoi	ntal (Vertical	C Quick	Middle	C Slow
Duration				Select To Upd	ate	
			-			Cot Foot
:H	1	n	:5	O Updat	e	Secronic
ок						Cancel

The txt setting, you can set front color and back color

Set Font	
Front color	Font size
Deale aslan	
Back color	
OK.	Cancel

Click • • in the "Area Resource" to change play order or delete them,

Notes:

Txt or picture resource need to choose view and add timelength (show in the following figure)

If **Txt** is in Roll view,STB play the txt rolling

If **Picture** is in Roll view,STB play the picture rolling.

Note: the sizes must be matched to the added area. If not, it won't display all pictures.

3.1.1 **Process 6** : Custom schedule(playorder)

	Play Order			o							
.quick key		to enter sche	duling inte	rface. Lis	sts are of	ne of the	e existed	playe	r task.		
AD											
oetting lask Ser	rver Language Help										
Quick Order	Generate Play Order		Add Task	lodi Task D	el Task				ſ	Gen Order	Del Order
	STB Group		Task List								
User Management	STBGroup		Task Name	Start Date	End Date	Start Time	End Time	Insert	Wee	Holiday	Description
	ууу		33333	2010-12-06	2011-10-31	00:00:00	23:00:00	No	No	No	
Resource	+ 101202										
Template	101128										
	📕 🕂 📂 shanghai										
	101104										
Lontent											
	1										
Play Order											
STB Monitor											
STB Management											
	-1										
Log											
B]								

1. The left part of the interface of the "STB group" to be listed in the system tree currently registered in all the set-top boxes and set-top box group

2.Select a STB (or group): group tree from the left to select a set-top box group or set-top box MAC. Operation is

complete, the right of the "Task List" in the group to see the set-top box or set-top boxes already in the broadcast table information

3. Click"addtask" on the correspondence stb group to appear Task Edit dialog.

Task Edit	
Task Property Task Name 83333	DateSelection © Normal © Weekend © Holiday
Start Time 00 ▼ : 00 ▼ : 00 ▼	Start Date 2010-12-06
Now 2010-12-14 16:36:40	Holiday Date 2010-12-14 Add Del
Insert Task	
Publish Content	112
443 666 VGA720 Vgg	
2233 12345 5656 1111212	>> Add >>
122 133 ffff dddd	
, Press Ctrl and single click to select items	, Press up and down to adjust item position
ОК	Cancel

Enter taskname, startdate,enddate,starttime,endtime and description.You can choose"Insert" to play .And then add publishcontent.

Note:

On "the date of setting"

In accordance with the player's priority, to provide three types of options Date: "normal" "weekend" and "Holiday" (level from low to high). In other words, if in a custom broadcast table a number of tasks, and dates of these three types of tasks exist, it will give priority to play "holidays" task, followed by "weekend" task, and finally the "ordinary task". In particular, if you choose "holidays" type, but also need to set the date range specified in some specific date as the date holidays. For example, suppose the date range is set to "2008-01-01 (start date) to 2009-01-01 (end date)", it can be set 2008-01-01 (New Year's Day) ,2008-02-06 (Spring Festival) ,2008-05-01 (51), such as holidays.

settings are as follows:

First of all, in the "holiday " the date of election to choose a date box, such as 2008-01-01, and then click the "Add" button. That date will appear in the "holiday period" following list box. Followed by the operation continue to add other dates, such as 2008-02-06 and 2008-05-01.

On the "insert"

If you do not check the "insert" option, then if the task and have the task in time of conflict, and is not allowed to add.

Conversely, if the check, then the task is a "spots" task. In that case, "non-insert" of the time the task will not affect the spots add tasks, but the spots of the spots have the mandate and tasks in time there is a conflict are not allowed to add.



AD ting Task Serve	er Language Help									
Quick Order	Generate Play Order	Add Task	odi Task De	el Task	-	-	-	l	Gen Order	Del Order
ser Management	STB Group	Task List	Start Date	End Date	Start Time	End Time	Incert	Wee	Holiday	Description
and an and a state of the	yyy	33333	2010-12-06	2011-10-31	00:00:00	23:00:00	No	No	No	Doscripcion
Resource	 <i>1</i>01202 <i>1</i>01202 <i>1</i>0- <i>j j i</i> − <i>j j j</i>									
Template	⊕>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>									
Content	101104									
21ay Order										
TB Monitor										
B Management										
Log										

Choose the newly-added task, click"modify" or "delete" on the top right to change information. The same operation as "add".

Note:

Users can custom and generate order for a group of stb or a single stb. If stb customized order, when start stb to connect to the server will automatically download and play their corresponding broadcast table. If the stb did not find the corresponding table will be broadcast to find and download broadcast-owned division of the stb corresponding broadcast table.

3.1.2 **Process7** : Custom and generate playlist

The STB player content, time and area are all depend on the list of the server setting. So there is need to arrange one or more player task for STB(group) and download and play its lists.

Notes:

If add normal task(not insert task) have a conflict time to the existed task, it will not allow to add task

If added is the insert task, then the normal task time will not interfer adding task. If the insert task have a conflict time to the existed task, it will not allow to add task

Click" Gen Order _____, after choosing the play tast

101202.bin generate success!	
OK.	

If need, you can delete the task or delete the order by clicking"Deltask" or "Delorder"

Note:Client can custom and generate order for one group STB or one single STB.If customed, the logged STB will connect to the server and download and play its relevant order.If STB didn't find the related order, it will research and download and play the subgroup STB order.

Process 8: STB update order

ck quick key	STB Monitor								
AD									
ting Task Server	Language Help								
	STB Monitor	Opline MáC - 0						of(1)	
Quick Order		Offine MAC: U						Offline	MAC: 2
	STB Group	STB State							
		MAC	Name	IP	GateWay	Status	Task	Template	0
or Honogomont		00e04c40014d		192,168,1,64	192,168,1,1	Offline	111111	111	
er martagemerte	УУУ	00e04c40015c		192.168.1.61	192.168.1.1	Offline	111111	111	2
		00e04c400107		192,168,1,60	192.168.1.1	Offline	111111	111	2
1	2 zbeijap	00e04c40014f		192.168.1.71	192.168.1.1	Offline	111111	111	2
Resource		00e04c400126		192.168.1.75	192.168.1.1	Offline	111111	111	2
	zyou	00e04c40017c		192.168.1.65	192.168.1.1	Offline	111111	111	2
		00e04c400161		192.168.1.78	192.168.1.1	Offline	111111	111	2
1		00e04c40016b		192.168.1.79	192.168.1.1	Offline	111111	111	2
Template	i i angnai	00e04c400167		192.168.1.76	192.168.1.1	Offline	33333	112	2
	222	00e04c400136		192.168.1.71	192.168.1.1	Offline	111111	111	2
		00e04c400130		192.168.1.77	192.168.1.1	Offline	111111	111	2
		00e04c40013e		192.168.1.79	192.168.1.1	Offline	111111	111	2
Content	DV Non-Registered	00e04c400115		192.168.1.75	192.168.1.1	Offline	33333	fff	2
		<							>
		Device Contract							
Play Order			Daviasi		D-H-				
		MAC:	Device;		Pauli				
STB Monitor									
	<u> </u>								
	Log								
TB Management									
Log									
Log									

1.Choose the Group or STB(MAC) which needed modify,right click the mouse to appear as shown below in order menu



2. Choose updategrouporder

Functions of the order shown as below:

- **Stop / Replay:** use respectively to stop the current playing task and start the order.
- softupdate : download the latest adClient process from the server.(the player file from adClient)replace the old process and after update it the STB will reboot. But there must have latest adClient process file can update soft successfully.
- **Real-Time News**: used to send current message to the STB.
- updategrouporder: doing this can re-download and play the STB order.
- **On-Off Time** set the play order time(no use)
- Synctime make the same time with the stb and the server
- Volume : control the sound by the server.
- Reboot restart the stb
- Close STB:

Tips:

If need operate one STB group, right click the mouse on the tree form of relevent STB group to show the releted menu. If need operate just one single STB, right click the mouse on the STB status to show the releted menu.

4.USER MANUAL OF CLIENT

4.1Function Description of STB System

Client(Network Ad System of STB, short for "STB") main function include:

- Play function
- Setting function

- Network function
- System maintanance

4.1.1 Play function

STB Systems on the list of players set the task of media player, which include ordinary play task and insert task.

Support player way

- video+rolling OSD;
- video+picture(rolling up and down)+test+rolling OSD;
- picture+audio+rolling OSD.

Support video and audio format

- Video files:.ts、.mpg
- Video decording format:MPEG-2、H.264
- Audio format:.mp3、.aac、.ac3
- Picture format: 24 bite of bmp and jpeg format

4.1.2 Setting function

Set ads STB network information by remote control. After update the information, you need reboot the STB.

4.1.3Network function

STB Systems has always been in the process of running the ad-server management to maintain order interaction, time and time synchronization to the server, and respond to the server with the following orders: Player status enquiries, CF card status and content of enquiries, real-time rolling messages, updates orders, software upgrades, close and restart.

Note: this is the play task close and restart, not the STB.

4.1.4System maintanance

STB system can release the server software of upgrade order to upgrade STB on the ads-client of executable file (adClient procedures); can release the updated server list order to update the local hard drive or CF card of the media file. At the same time, regularly set time through the network and server synchronely

4.2.1 User manual of remote control



- Remote control button include<SETUP>button
- <POWER>button: close the STB

4.2.2 Network setting (IP setting)

Enter<SETUP>button of the remote control

	Login
Password:	****
MIC	Delete :Reset Password

1. The passwd is 111111 , which protect the settings and then press "enter"

NET SET	LAN	
PSET	LAN	
NGUAGE	WIFI	
REEN MODE	DHCP	
EXIT		
SPLAY : Return Play	MODE : Display Mode	

2.start the network setting of information in interface, includeIP address, subnet mask, gateway, and server(IP $\$ Mask $\$ Gway $\$ Server). That is to say, when use wire LAN, you must write the first four lines

NET SET	192. 168. 1. 182	
IP SET	MASK 255, 255, 252, 0	
	GATEWAY 192. 168. 1. 1	
GARCIACIA	SERVER IP 192. 168. 1.5	
SCREEN MODE		
EXIT		
POWER : Turn Off	BETUP : Menu	



PL	AYER SET	UP
NET SET	Horizontal	
LANGUAGE SCREEN MODE EXIT	Vertical	
POWER : Turn Off	(BETUP) ; Menu	
ENTER : Enter	MODE : Display Mode	



Based on the different ways of STB network connection (wired or wireless),that supports four IP settings are as follows:

(1)through a cable network (LAN) by manually settings

IP, MASK, GWAY, SERVER four required, at the same time select "LAN".

(2)through a cable networkv (LAN) by Dynamic settings

MASK, GWAY, SERVER three required, at the same time select "LAN" and "DHCP".

(3)through a wireless network (WIFI) by manually settings

IP, MASK, GWAY, SERVER, SSID five required, at the same time choose "WIFI".

(4) through a wireless network (WIFI) by Dynamic settings

MASK, GWAY, SERVER, SSID four required, at the same time choose "WIFI" and "DHCP".

If it goes through the wireless network connection, may also require the correct settings Wep key (WEP PASS).

In the process of setting, click<SETUP>button to close the network setting UI interface and cancel it.

After finish setting, click<ENTER>button to work in force the new setting, and the STB will reboot automatically.

Notes:

- If STB haven't registed from the server, it will appear "The STB has not been registered to server! Please register it." You need regist in the server and reboot the STB.
- If STB cannot connect the server for network reason, it will appear "Failed to connect the server! Please check the network configuration and then reboot the STB." You need check the net status and IP address of STB network settings.

4.3 CF card format tools

Normally CF card is seldom to format. But if CF card need to format.please use CF card format tools. 1.Firstly close STB as follows:



2.Secondly,take out the CF card and use card reader to format it.Make sure you will use format tools to do the opearation.

3. The exact steps please do as the instruction (first read all the user information from the floder EXT3 formatted tool.)

4. After the CF card has formated, please open the floder Client, put the six files to the CF card, make sure there is a file of lost+found.

Notes: You can change IP from the cf card in adnet.cfg file as txt format.

- If STB haven't registed from the server, it will appear "The STB has not been registered to server! Please register it." You need regist in the server and reboot the STB.
- If STB cannot connect the server for network reason, it will appear "Failed to connect the server! Please check the network configuration and then reboot the STB." You need check the net status and IP address of STB network settings.