# **Network Digital Signage Player**

# User Manual v3.1





# Table of Contents:

- I. Introduction
- II. Board Spec and Components
- III. Evaluation Kit
- IV. Playlist and Operation
- V. Client Device Setup
  - 1. Client board Installation
  - 2. Client Main Menu
  - 3. Client Setup Screen
  - 4. Remote Control Key Definition
  - 5. Scrolling Text Format

# VI. CAT Server Software

- 1. CAT.exe
- 2. Tools Tab
- 3. Account
- 4. Sever Utility Setup
- 5. Client Utility Setup
- 6. Playlist Scheduler (\*new)
- 7. Graphics Command ICON
- 8. RSS Advantage Software
- 9. Playlist Commander
- 10.Remote HTTP Server
- 11.Remote FTP Server
- 12. WebServer Configuration

# I. Introduction

SC50/55 is a digital media player with LAN and Internet connectivity. With Ethernet connection and file transfer protocol support, digital media files(JPEG, MP3, MPEG1/2/4) can be downloaded and stored into CF card from host content server to multiple network players, and then playback repeatedly according to playlist's file sequence and pre-defined time schedule.

# **II. Playlist and Operation**

# 1. Playlist:

- **Playlist** is a script text file including command, time schedule, download filename and content server IP address for client to execute line by line.
- **Playlist** is created by administrator using CAT (Client Administration Tool) software.

### 2. Basic Operation without CAT (Server management software):

- Pre-configure network setup and save. Network setup includes username, password, server IP, client DHCP or static IP, and HTTP or FTP server's URL address to download playlist. e.g. http://www.signgaechina.com//ad/filename.mpl"
- Administrator uploads **playlist** file into the specific URL path of HTTP or FTP server
- Connect audio/video cables to any TV display, and Ethernet cable to RJ-45 connector
- Power up unit, it will load network settings from EEPROM, initialize LAN, connect to internet and download **playlist** from fixed URL and store into CF card automatically
- Interpret playlist file and execute tasks including download files, playback files, time schedule ...etc. Playback media files repeatedly until stop or reboot command
- Administrator can update new **playlist**, just keep same filename for network player to load new playlist file when player power-up manually, or daily reboot time is hit, or set pre-defined interval time that allow player to visit this URL.

# 3. Server Monitoring and Management Tool – CAT (Client Administration Tool)

- CAT is a Windows application software to manage multiple client devices thru LAN or internet connection
- CAT has many useful commands and editor tools to monitor and control client devices

# V. Client Device Setup

#### 1. Client board Installation



- High speed CF memory card is required (Sandisk Ultra II recommended)
- Use PC to format CF card with FAT32 selection for better performance
- Plug in CF card into CF slot
- Plug in LAN cable that connect to your LAN or internet network
- Connect video cable (RCA or S-Video) to your TV unit or VGA to your PC monitor
- Switch to right video source input channel on TV unit
- Connect audio cable to TV unit's audio connectors
- Connect AC power adapter
- Power on network player (led light should be ON and screen displays 'Initializing')

#### 2. Client Main Menu

- TV screen will show "Initializing", "Initializing LAN", "Connecting DHCP Server..", "IP Address", "CF Card" then main menu

Note: It will take some time on the "Connecting to DHCP Server" depending on the IP assignment speed from network router

- Main menu will show the following items on left side
  - Client Local IP: xxx.xxx.xxx
  - Server IP: xxx.xxx.xxx or Host name
  - Time: 2007/06/01 15:30
  - MAC Address: xx-xx-xx-xx-xx-xx
  - Server Connection: ON or OFF or Error
  - Storage: xxxMB
- Main Menu will show the following items on the right side
  - Setup : press ENTER key to go into Client Setup screen
  - Storage : Press ENTER key to go to file folder of CF card

#### 3. Client Setup Screen

- Use remote control to navigate and make changes
- Press ENTER from main menu to Setup screen
- Setup has 'Network', 'Time', 'Device Schedule', 'Auto Start', 'Language', 'Factory Default', 'Save and Reboot' and 'Return to Menu' selections.
- Press ENTER on any item to go to its page

#### 'Network' Setup Screen

a. User Name and Password: Use "Select" or "Goto" key to open virtual keyboard. Move cursor to any letter and press ENTER, or use '0' (zero) to erase letter. After finished, press "Select" or "Goto" key again to exit virtual keyboard mode. Press ENTER key on 'user name' or 'password' to go to next page

- b. Server IP and Host Name: Move cursor to select 'Server static IP' or 'Host Name'. Use numeric key pad of remote to type 3 digits for static IP or use virtual keyboard to type 'Host Name'. Press ENTER to next page. (Server IP is the PC's IP where your CAT program is running. Host Name is go out to internet server)
- c. Server Port (new feature): default is 5021. If not, please use remote control to enter '05021'. This port number must match with CAT's. Please go to CAT's Server Setup Utility to modify server's port number if 5021 is already occupied. After port changed, close CAT and open again to make new port effective.
- d. **Client DHCP or Static IP**: Move cursor to select 'DHCP' or 'Static IP' and press ENTER on 'Static IP' to Static IP page or DHCP to Setup screen. (DHCP is recommended.)

# **'Time' Setup Screen**

- a. **Time Server**: Use cursor left or right to select 'time.nist.gov' or 'windows.time.com'. Use cursor down to next item
- b. **Date**: you can ignore this because client board will get internet time during power up initialization unless you don't have internet connection
- c. Time: Same as Date
- d. Time Zone: Use cursor left or right to select your local time zone
- e. **DST**(Day Saving Time): Use cursor to select On or OFF. If On, it will add one hour
- f. **Date Format:** This date format will appear on scroll bar only. User can select either mm/dd/yyyy or dd/mm/yyyy format.
- g. Press ENTER on any field to go back to Setup screen

# **'Device Schedule' Setup Screen**

- a. **Reboot Time:** Move cursor to select 'OFF' or type 2 digits for daily reboot time. When time is up, client will reboot itself. If auto start is set to network mode, it will download new playlist file. Also player will send playback log data back to server for further usage.
- b. **Device Schedule**: Move cursor to 'OFF' or 'ON'. If 'ON', another line below will display 'HH MM to HH MM'. Device ON time will turn on video and start to play from existing playlist file in the CF card. Device OFF time will turn off video and stop playing.

# Auto Start Screen

- a. OFF: After power up, client will do nothing and wait for server's command
- **b.** Local CF: After power up, client will playback according to playlist file stored in the CF card or playback A-Z order files if no playlist file is found.
- **c. HTTP URL:** Use CAT's client setup utility to enter network URL path. After power up, client will go to this URL path to download playlist file and execute action item listed in the playlist file. (also described on page 2 item IV)

**d.** iCAT: This is a web based management software like CAT, but iCAT allows user to use browser to access from any PC, anywhere. iCAT is not like CAT has more interactive commands. iCAT is more schedule-oriented automatic method. Get 10 digit ID from iCAT program's "Add player". When player powers up, it will login to iCAT server, user will see its on-line. For more detailed, please refer to iCAT user guide document.

#### Language:

If revision # on the main menu has 'U' which means European fonts are installed. Selections are 'English', 'East-South European', 'Western European', and 'Turkish'. This font is used for RSS and instant message display on the scroll bar.

Factory Default: load pre-defined values into Setup settings. For example;

a. Device Name: NDSP01 b. Password: 123 c. Server IP: 192.168.1.106

d. Server Port: 5021 e. Device IP: DHCP

Save and Reboot: save all the changes and reboot client

Return to menu: just return to main menu

[Note-1]: All these client setup settings can be modified in the "Client Setup Utility" of CAT software. You can save as "autoconfig.mia" filename into CF card then plug into CF slot and power up client board. It will show "Auto Updating" message and save into EEPROM. Remove CF card and delete this file to avoid reload again.

[Note-2]: You can save as "autoconfig.mib" filename, it will do the same thing to update EEPROM except this autocinfig.mib file will be deleted after update.

### 4. Remote Control Key Definition

Label	Labal	Demote Very Experien
Label	Label	Remote Key Function
(EG-D10)	(MP715 Remote)	
Main Menu	SEARCH	Switch to main menu screen from SmartNavi screen
Video Mode	TV MODE	Switch between S-Video/Composite Video and VGA output
Keyboard	SELECT	Only available in Setusp screen to <b>enter or exit</b> virtual keyboard
		page (use key '0" as erase key)
MUTE	MUTE	Mute/Un-mute sound
VOL +	VOL +	Sound level control
VOL -	VOL -	Sound level control
Position +	SHUFFLE	Adjust down scrolling text bar position
Position -	EDIT/PROGRAM	Adjust up scrolling text bar position
Background	TITLE	Background color for scrolling text bar (8 colors)
Color		
Foreground	SUBTITLE	Foreground color for scrolling text bar (white and black)
Color		
Transparent	REPEAT	Scrolling text transparent level (0%, 25%, 50%, 75%, 100%)
Speed	ANGLE/ROTATE	Scrolling text speed settings (fast, normal and slow)
Scroll Bar	A-B	Turn On/off Clock display on the scrolling text bar
Clock		
EZ-Play	>>	Do auto download/playback files in A-Z order from CF card or
	FORWARD	execute "playlist.mpl" file in the CF card

# **5. Scrolling Text Format**

A regular .txt file can be used to store any text data. This text file data will be scrolled like stock symbol or news ticker along with any photo or video file.

At the 1<sup>st</sup> line of the text file, user can program some settings for the text color, and position.

osd\_settings=[B/G color], [F/G color], [Transparent], [Speed], [Reserved], [Clock] e.g. "osd\_settings=2,1,0,0,0,0

**1. B/G color**: a digital number from 0 to 7 (0blue, 1grey, 2red, 3ligh blue, 4green, 5yellow, 6magenta, 7orange)

- 2. F/G color: 0(white). 1(black)
- **3. Transparent**: 0(no transparent effect), 1(75%), 2(50%), 3(25%), 4(100%)
- **4. Speed**: 1(slow), 2(normal), 4(fast)
- 5. Reserved: always 0
- 6. Clock/Date: 1(On), 0(Off)

[Note]: Defaults are white color text on grey color background if no OSD\_Setting line.

# VI. CAT Software

1. **CAT** (Client Administration Tool) can be executed on any Windows XP system. Just click on CAT.exe, it will display like photo below. **Home** is the default group.

CAT-Client Administration Too	ol - For Evalua	tion Only				
<u>S</u> ever <u>T</u> ools <u>V</u> iew <u>H</u> elp						
🍇 🔂 🛛 🕨 🕨			<b>.</b>	, °	t e /	
Account Playlist	Stop Message	MSG Off RSS	Volume Vid	eo Sta	atus Capacity CF	Data Playlist 🚽
Accounts	Online Users					
Server	User	Status	IP Address	MAC Address	Login Time	Playlist
	<	CF Devic		II		
	1	rol Server started				
Ready	L				eceived 0 bytes	

2. When click Tool tab, it will pull down useful tools (see photo below). CAT UI and language can be customized per request.



3. Account is to create or manage group name and user account name. You can create multiple groups and assign different account names. When any client logs into CAT, it will go under its corresponding group if account name is matched. If not matched, it will go under default Home group.

Account Management	
	This wizzard allow you to add and edit all group and user account in CAT
	O User Group
	O User Account
	Prev Next Cancel
Account Management	
Group Name Home	
Enable AutoPlay 🔽	
Auto Playlist F: MIA.CAT\CAT	T\Home\AutoPlaylist.mpl Browse

4. **AutoPlay** is a new feature after V0225. When players power up and log in to CAT, CAT will automatically send playlist file and its content media files as specified here. Instead of EZ-Play (manual mode), this AutoPlay mode can be more useful for users. For AutoPlay mode, make sure AutoStart=CAT in the player Setup. It won't work if AutoSart=http URL.

5. Sever Setup is for administrator to make changes for CAT server.

- a. Server port 5021 is for port forwarding function of network router to access CAT program.
- b. PASV default port starts from 5022 5031 and can be changed to match company's firewall setting. This is for player to connect CAT using internet and thru company router and firewall.
- c. Current version allows up to 10 client devices to log in. You need to contact your supplier for more users copy.
- d. RSS Ticker: Default is set, but can be changed to match your PC's path and filename. When RSS ICON is clicked, CAT will send this file to players.

Server Setup Utility	
🕞 🔓 Server	🖡 Server
	Control Server
	Server Port 5021
	Note: CAT is required to be closed for new port
	PASV Port Start 5022 Range 10
	Max. Users 10
	Check Password
	RSS Ticker C:\Program Files\RSS Advantage\Newsticker\miaticker.bt Browse
	Other
	Local IP Address 192.168.1.4 Update
1	
	OK Cancel Apply

Note: CAT is required to be closed for new port change! Then open again to take effective.

6. **Client Setup** is an editor to create or open autoconfig.mia file. This file is used to update client's setup values. Save autoconfig.mia into CF card, then plug into network player and power up. It will show "Auto Updating" message and then reboot again.

Client Setup Utility	×
<u>F</u> ile	
Server IP           IP or Hostname         192.168.1.2           Port         5021	
Client Device Setup Account Name NDSP01	Password 123
Client IP Setup	Client Time Setup
DHCP	Time zone GMT-8
C Static IP	Daylight saving (+1hr)
IP address 192 . 168 . 1 . 1	Restart Time 00 00     Device On 07 30
Subnet mask 255 . 255 . 255 . 0	✓ Device Off 21 00
Gateway 192 . 168 . 1 . 1	Client Video Output • S-video C VGA C YPbPr
DNS Server 192 . 168 . 1 . 1	TV Type NTSC V LB MODE
Auto Start - Playlist File Location	
C Off C CF card	HTTP URL
URL cms.miatek.com/demo/demo.mpl	
URL format example: digitalsignage	com/subfolder/subfolder/filename.mpl
Update Clier	nt => Home  Home
	World

- a) **IP or Hostname:** Type in static IP for local LAN server or hostname for remote internet server. Example: 192.168.1.100 or <u>www.signagechina.com</u>
- b) **Port:** default is 5021. If 5021 is used on the server side, then change to different number. But make sure also change same port # in CAT and router's port forwarding setting.
- c) **Client Account Name and Password**: Type in user name and password for this client device. After client powers up and logs into CAT server, it will go to its matched group.
- d) **DHCP or Static IP:** Select Dynamic IP by router or fixed static IP for client device
- e) Time Zone: Select your local time zone
- f) Daylight Saving: Check will add one hour
- g) Reboot time: Check will reboot client when time is hit
- h) **Device On**: will turn on video and start to play from existing playlist file in the CF card when time is hit
- i) Device Off: will turn off video and stop playing when time is hit
- j) **Video output**: select S-Video(including Composite video), VGA, YPbPr output. You can use 'Angle' or "Video mode" key on remote control to switch
- k) **Off/CF Card/Http URL Address**: type in URL address and playlist filename, so client will download playlist file from remote URL and execute.
- 1) **Update Client** is a remote command. It will send current settings to all client devices of the selected group. Client device will reboot after save settings into EEPROM. It will take approximately 15-20 seconds to reboot till re-login.

#### 7. Playlist Scheduler

This is a new feature for AutoPlay mode. User can program advanced schedule instead of daily schedule only. Firmware version must be v0508 or after to work with this feature.

Playlist Scheduler			×					
<u>F</u> ile								
IRIS.mpl	1/2008 -	E	Browse					
Sun Mon Tue Wed Thr Fri Sat								
Add Update	Delete							
Playlist	Start D	Stop Date	Weekday					
IRIS.mpl	0601	0630	Sun,Mon,Tue,Wed,Thr,Fri,Sat					
amhosting.mpl	0701	0731	Mon,Tue,Wed,Thr,Fri					
1.Kodak.mpl	0701	0731	Sun,Sat					

- a. Make sure when you create playlist.mpl file in the playlist editor, and save into same group folder. Ex. Home group, then save into CAT\Home\.
- b. Browse your predefined playlist file from same group folder and enter start date, end date and weekday for this playlsit's campaign schedule then click 'Add'. You can repeat to add more playlist file with different schedule.
- c. From above picture, you can set one month program with weekday and weekend campaign. Media file's start time and end time are set in the playlist editor.
- d. Make sure you don't conflict your playlist with two same date schedules.
- e. Click File to Save your current schedule into a .sch filename into same group name's folder. Ex. CAT\HOME\1.test.sch
- f. Go back to Account-> Select Group -> Edit -> AutoPlay page and browse your .sch file, then click Finish
- g. After all these settings, CAT will return a corresponding playlist based on this .sch file schedule when player login to CAT.

Account Managemer	nt	×
Group Name Home	2	
Enable AutoPlay 🔽	2	
Auto Playlist F: MI	A.CAT\CAT\Home\demo.sch Browse	

#### 8. Graphics ICON:

🙁 CAT-Client Administra	ation Tool				
<u>S</u> erver <u>T</u> ools <u>V</u> iew <u>H</u> elp					
🧏 🖻 🕨		¶`≘`⊚`	🔹 🧶	📥 🛄	
Account Commander Play	Stop Message MSG Off RSS	Volume Video Options	Status Capacity	CF Data Playlist	
Accounts	Online Users				
Server	User Group	Status	IP Address	MAC Address	Login Time
E-# Home(2)	MIA02 Home	Alive	192.168.1.16	00-E0-4C-77-30	2007-09-29 22:
III III MIA02					
🗈 📽 Office Depot(3) 🤐 Walmart(0)					

From 'Start' to 'Options' Icon is the group command. Highlight cursor on the group is the active group. Command will be sent to all the client devices under active group.

From 'Status' to 'Playlist' Icon is the client command. Highlight cursor on the user name is the active client. Command will sent to this client only.

a) Account: create group and account user name for group management

#### Below is command that goes to all clients of same group, one by one.

- b) **Play**: Send 'Playback' command manually to group of clients
- c) **Stop**: Send 'Stop' command manually to group of clients
- d) **Message**: Instant message editor will pop up. You can select any .txt file or manually type in text message, then send to group of clients. A news ticker type of OSD will scroll text from right to left on the bottom of client screen
- e) Message Off: Send "Message Off" command to group of clients
- f) **RSS**: Send RSS news ticker message to group of clients. Bundled 'RSS Advantage' software must be pre-installed. And Microsoft .net Framework 1.1 or 2.0 is also required for RSS to run.
- g) Volume: It has Mute and 15 levels of volume. Will send volume command manually
- h) Video: It has video ON or OFF to turn On/Off client's screen
- i) **Options**: Less frequent use commands are located here.
  - Format: Send format CF card command to client. All files in CF card will be erased.
  - **Reboot**: Send reboot client command to client.
  - Group Status: inquire all clients in the same group to send status back, similar to j)

### Below is individual client command, not group command

- j) Status: inquire client to send back current status data including time, current playback filename, music and instant message. Example: Playing [01:54:30]
   BATMANBEGINS\_1.DIVX(5/11,16) 0:0:6, Scrolling Text: IntoTheBlue.txt
- k) **Capacity**: inquire client to report CF card capacity and firmware version #. Example: Storage Total Size: 977MB, Free Space: 762MB. F/W version: v2.2.86.0619U
- 1) **CF Data**: Inquire client to report all the filenames on the CF card. It will display filenames on the CF tab screen of CAT.
- m) **CF Data [Delete]**: Click right mouse button on CF window, a 'Delete' will pop up. You can check all the files to be deleted first then click 'Delete'. CAT will send delete command to client to remove those checked files and update CF Data screen.
- n) **Playlist**: Inquire client to report current playlist file. It will display the playlist file order on the playlist tab screen of CAT

# [Note] Log data:

When you move mouse cursor on the log window area, you can click right mouse button. A menu will pop up to choose "**Save As**" or "**Clear**". Clear is to clear up the log data. Save As is to allow you to save all the log history for technical support. You can send this .log file to us for data analysis.

# 9. RSS Advantage Software



Firstly, install RSS software (RssAdvantage RssAdvantage-1.1.0.57-OEMsetup(Vista.XP) bundled by manufacturer (not from www.rssadvantage website). This is a RSS Feeds 2.0 application that allows administrator to manage their favorite RSS links. All the news tickers scrolling on PC screen will be mirrored to client device as long as RSS Icon button is pressed.

This is a basic version without some useful features. For example, there is no "Enable/Disable" on each individual RSS link. If you prefer to get full features, please click 'Help->About' to purchase upgrade version from here to get 10% discount.

[Note1]: RSS must be installed under C:\Program Files\RSS Advantage\Newsticker for CAT to fetch news ticker file.

[Note2]: Microsoft .net Framework 2.0 is required to install before RSS Advantage is operational. Search "Microsoft download framework" from any search engine or <u>http://www.microsoft.com/downloads/details.aspx?FamilyID=0856EACB-4362-4B0D-8EDD-AAB15C5E04F5&displaylang=en</u>

#### **10. Playlist Commander**

			File	Type: m	pl >> >>	Select	Group Home	•	EZ-Play Playlist		Del	Clear 🕇
<u> </u>	📄 Media.Library	*	File Name	Туре	Size(Byte)	Seq.	File N Home World		File Path	Duratio	Start Time	End Time
	🕂 😳 Customers		ad1.mpg	mpg	10115072	1	1945 Single		F: Media.Library Pho	10	0800	1930
	🕂 💭 Divx.Stage6	=	ad2.mpg	mpg	13391872	2	1945 America		F: Media.Library Pho	5	0800	1930
	🗄 🖳 🛅 FocusMedia		ad3.mpg	mpg	3502080	3	1946010.jpg		F: Media.Library Pho	10		
	🗄 🖳 🔂 GSpot		ad4.mpg	mpg	13432832	4	1946110.jpg		F: Media.Library Pho	15	0900	1000
	🗄 🔄 Mpeg2		Macpower.MTV	mpg	48375812	5	1946210.jpg		F: Media.Library Pho	5	1000	1100
	E Mpeg4		MakeUp.mpg	mpg	3710586	6	1946310.jpg		F: Media.Library Pho	30	1200	1400
	E Music		OLAY2.mpg	mpg	960516	7	1946410.jpg		F: Media.Library Pho	30		
	· ·		Pafi.mpg	mpg	16818180	8	ad1.mpg		F: Media.Library Mpe	3	1200	1200
	🗄 🖳 Photo					9	ad2.mpg		F: Media.Library Mpe		1300	1300
+		÷				10	ad3.mpg		F:\Media.Library\Mpe	2	0800	1400
<u> </u>						11	ad4.mpg		F: Media.Library Mpe			

- a. Local Directory: Load media files from local PC's directory. Once files are moved to right window, press 'EZ-Play' on selected group, server will transfer files to clients.
- b. Remote HTTP Server: Type URL address and filename from remote HTTP server
- c. **Remote FTP Server:** allow to log in any FTP and browse files to generate playlist
- d. **File Type: mpl** : file filter check box is for playlist extension (.mpl) only. This feature is to support multiple playlist with time range settings.
- e. Open: Open existing playlist file
- f. Save: Save new playlist file or overwrite existing one
- g. >: move single file to playlist window
- h. >>: move all files to playlist window
- i. **Select Group**: user must specify which group to execute "EZ-Play" and "Playlist" buttons
- j. **EZ-Play:** all the media files on the right playlist window will be downloaded to client and playback immediately. This is manual mode, controlled by user.
- k. **AutoPlay: New feature on v.0225-**2008. 'Playlist' is changed to 'AutoPlay'. Create Autoplaylist.mpl file under that group and enable Autoplay mode.

This will not be effective until player reboot or power up next time. User can pre-assign playlist file for particular group's players.

CAT AutoPlay fur time	nction will be ex	ecuted after players restart	or power up next
			ОК
erver   Remote FTP Server	pl > >>	Open Save Settings Select Group Home	▼ EZ-Play AutoPlay
File Name Type ad1.mpg mpg	Size(Byte) 10115072	Seq. File Name 1 ad1.mpg	File Path F:\/Media.Library\/Mpeg2\

- 1. **Duration/Times:** allow to enter loop counter for video file or duration time (seconds) for JPEG file
- m. Start Time/End Time: (format:HHMM)
  - 1. If time range is "blank" that means "always playback, no time limit for 24 hours".
  - 2. Allow each media file to playback in its time range. For example, abc.jpg 30 0800 to 1200 means abc.jpg will be active for 4 hours, each time its duration is 30 seconds. Start to playback from 0800 onward, and stop to playback after 12pm.

Examples:

V3.0(06198)

Filename	Duration/Counter	From hhmm	To hhmm	Comments
A000.jpg	Blank	Blank	Blank	A000 will display 3 seconds for 24 hours
A001.jpg	30	Blank	Blank	A001 will display for 30 seconds for 24 hours
A002.jpg	Blank	0800	1200	A002 will display 3 seconds from 8am to 12pm
A003.mpg	Blank	Blank	Blank	A003 video will play 1 time each loop for 24 hours
A004.mpg	3	0800	1200	A004 video will play 3 times each loop from 8am-12pm
P001.mpl	Blank	0800	1200	P001 playlist file will start from 8am to 12pm
P002.mpl	Blank	1200	1800	P002 playlist file will start from 12pm to 6pm

- n. Del: Remove single file from playlist window
- o. Clear: Remove all files from playlist window and reset values in the Setting menu
- p. Up/Down arrows: Move up or down on the highlight filename to proper position
- q. Settings: Some useful settings for playlist file

Playlist Settings
Picture Play Time: 3 Seconds Picture Transition Mode: Full Screen
Delete Files: No Action 💌
Mute Sound No Action Format CF card
Download S
OK Cancel

- r. Picture Play Time: control interval time between JEPG files
- s. **Picture Transition Mode**: 3 modes (Full screen, Random, and Cross Fade) are available to change picture transition effect
- t. Delete Files:
  - a. No Action: default value, do nothing.
  - b. **Format CF card**: Will delete all files in the CF card then download new files based on playlist.mpl.
  - c. **Files not in the playlist**: If CF card has many files, the files not in the playlist will be deleted. If on the playlist, will be kept to avoid download again.
  - d. **Files in the playlist**: This is like multiple file deletion command. It will only delete files in the playlist.
- u. Mute Sound: Mute sound in the playlist, all the content playback will be silent.
- v. **Download schedule**: will write download time into playlist file. Player will not start download immediately until download time is up, then player will start to download content according to playlist file.

#### **11. Remote HTTP Server**

Playlist commander also supports HTTP server. Just type URL path and filenames in HTTP server storage. Click EZ-Play or save playlist file for future use.

📽 Playlist Commander				
Local Directory Remote HTTP Server Remote FTP Server		Open	Save Settings	Del ¢lear ↑ ↓
		Select (	Group Home	EZ-Play Playlist
URL and Path miatech.com/MIA		Seq.	File Na Office Depot	Path
· · · · · · · · · · · · · · · · · · ·		1	BatmaWalmart	ch.blogdns.com/Media.Contents
File Name DSC00013.jpg		2	Click_Trailer1.divx	miatech.blogdns.com/Media.Contents
		3	DavinciCode, divx	miatech.blogdns.com/Media.Contents
		4	FindLove.divx	miatech.blogdns.com/Media.Contents
		5	Garfield_ATailofTwo	miatech.blogdns.com/Media.Contents
		6	IceAge2_Trailer.divx	miatech.blogdns.com/Media.Contents
	>	7	IntoTheBlue.avi	miatech.blogdns.com/Media.Contents
		8	MissioImpossibleIII.avi	miatech.blogdns.com/Media.Contents
		9	playlist.mpl	miatech.blogdns.com/Media.Contents
		10	RV_Trailer1.divx	miatech.blogdns.com/Media.Contents
	>>	11	TheSentinel.divx	miatech.blogdns.com/Media.Contents
		12	Ultraviolet_Trailer.divx	miatech.blogdns.com/Media.Contents
		13	UnderworldEvolutio	miatech.blogdns.com/Media.Contents
		14	XMen3_TrailerB.divx	miatech.blogdns.com/Media.Contents
		<u> </u>		Indecemblogaristeering todal contentesti
	_			11

#### 12. Remote FTP Server

The feature allows user to access FTP server and create a FTP playlist. All the navigation is the same as local directory. But need to enter your regular FTP information including user name, password ..etc. You can click EZ-Play to execute immediately or save playlist for future use.

"Upload playlist" is a new feature from V0115-2008. When click, it will save the playlist file into FTP server where the file folder is instead of local hard drive directory. For example, 'EZplaylist.mpl' has been saved and uploaded under testData\DataBank folder. It can combine with auto start=FTP url to update your playlist file and reflect to player within 3 minutes. No need to use another FTP client software to upload playlist separately.

Property Upload playlis	st	F	ile Type: m	pl >> >>	Select	Group Home	► EZ-Play	Playlist	Del Clear	† +
⊡]] /		File Name	Type	Size(Byte) 🔺	Sea.	File Name	File Path	Dur	Star	End
🖃 📗 testData		SC00008.JPG	JPG	520322	1	DSC00001.JPG	synologyamer	10	otarm	2.1.0 111
MIA.Data	Bank [	SC00009.JPG	JPG	324468	2	DSC00002.JPG	synologyamer	15		
testData1		DSC00010.JPG	JPG	440333	3	DSC00003.JPG	synologyamer			
-	0	OSC00011.JPG	JPG	632832	4	DSC00004.JPG	synologyamer			
		SC00012.JPG	JPG	508681 ≡	5	DSC00005.JPG	synologyamer	30		
		DSC00013.JPG	JPG	534288	6	DSC00006.JPG	synologyamer	35		
		EZPlaylist.mpl	mpl	1378	7	DSC00007.JPG	synologyamer	40		
		4IA001		840	8	DSC00008.JPG	synologyamer	45		
		DLAY2.mpg	mpg	960516	9	DSC00009.JPG	synologyamer	50		
		Pafi.mpg	mpg	16818180 +						
		•	111	•						
Ftp Site Manager										
ESST Infrant NAS MIA Synology	ProfileNar Host Add		ogdns.com				nnect			• •
Infrant NAS MIA			ogdns.com		Use PAS	Ca Ca SV Mode	nnect	1		
Infrant NAS MIA	Host Add	ress miatech.bla 21 testing	ogdns.com		Use PAS	Ca Ca SV Mode	ancel			• • •

#### **13. WebServer Configuration**

Webserver is a tool that allow administrator to read client device's current status and re-configure server's and client's IP, username and password from IE (Internet Explorer). In case Client's network setup values needs to be changed. Administrator doesn't need to go to client site and use remote control to change. Just use IE for remote control.

1) To use this function, open Microsoft IE and type client's IP address (for example 192.168.1.16) on the address line.

File	Edit	View	Favorites	Tools	He	lp			
🖛 Ba	ck 🔻	⇒ × (	2 🖸 🖄	<b>Q</b> Sea	rch	🗟 Favorites	Media	🎯 🖪 🕇	4) ei B
Addr	ress 🛛	🞒 http:,	//192.168.1.	16					

2) If IP is correct and client is in the same network, IE will pop up a confirmation window. Enter username and password below. User Name = admin Password = admin

Enter N	Network F	Password	? ×
<b>?</b> >	Please type yo	ur user name and password.	
Ø	Site:	192.168.1.16	
	Realm		
	User Name	admin	
	Password	****	
	🔽 Save this p	bassword in your password list	
		ОК Са	ancel

3) IE will read data back from client device and display status home page. Click Client Status on the left side, it will refresh screen for new update.

🚰 Main Page - Microsoft Internet Explorer					
File Edit View Favori	ites Tools Help				
🗢 Back 🔻 🔿 🔻 🙆 🚰 🥘 Search 📾 Favorites 🛞 Media 🎯 🖏 🕶 🚍 💽 👻 📃					
Address 🕘 http://192.16	58.1.16				
		Network Digital Signa Intranet Acces			
Client Status					
<ul> <li>Client Account Setup</li> </ul>		Firmware Version: Local IP: Server IP: User Name: Password: Date/Time: MAC address: Server Connnection: Storage: Video Output:	1.0.0.0.2 192.168.1.16 192.168.1.101 MIA02 123 2007 9 29 20:38:25 00:e0:4c:77:30:36 OFF 977MB S-Video		

4) Click Client Account Setup on the left side, it will display Client Account Setup page

		igital Signage Player ranet Access
<ul> <li>Client Status</li> <li>Client Account Setup</li> </ul>	server and clier	Client Account Setup etup allows to modify IP addresses for both remote it device. After modification, click "Apply and Reboot". Il save new values and restart.
	Remote Serv Server IP: User Name: Password: Confirm Pass Client IP: LAN IP: IP Mask: Gateway: Primary Dns	192       168       1       101         MIA02       ***       ***         sword:       ****       •         DHCP       •       192.168.1.16         255.255.255.0       •

5) Remote Server has Fixed IP or Host Name selection. You can enter new Server's IP address if fixed IP. Or enter hostname (for example abc.blogdns.com) that CAT.exe is running.

6) Also you can change Client's account name and password to match CAT's client settings. So Client device can log in to Server's CAT program.

7) After all data is filled, click "Apply and Reboot". IE will send a configuration file to client device. After update into EEPROM, client will reboot and log in to new server IP. It will take 30 seconds for this reboot process. After 30 seconds waiting, click on "Client Status". Client device will send back status again for verification.