

Scheduling the Framejazz 1080PX Series

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The Framejazz 1080PX series represents a major change from the B1080P series of Digital Media Players. The PX series offers much higher bitrates for movie files than the P series along with enhanced scheduling capabilities.

The P series uses a method of scheduling which requires an application to generate an ini file that the unit reads for scheduling. The PX series is set up with a user configurable text file.

SETTING UP THE FTP AUTO DOWNLOAD

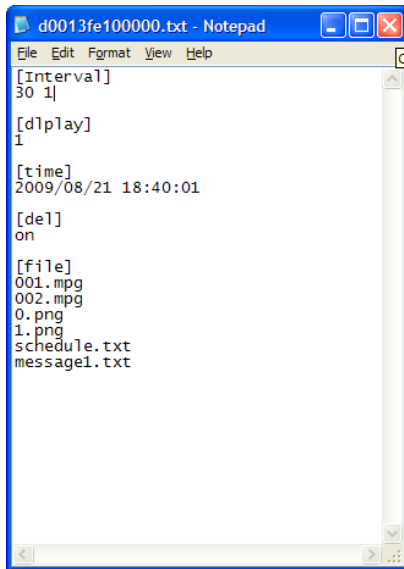
Before beginning, it is assumed that the 1080PX is configured for network operations. If not, please refer to the setup guide.

There are 2 major parts of making the unit perform as a standalone piece that is able to be updated remotely. The unit must be set up for FTP Auto Download and a control file built that tells the unit to download the file(s), how to download the files and when to activate the downloaded content. Part of the download is a schedule file that tells the unit when to play certain content.

The first step is setting the unit up for the FTP Auto download function. This tells the unit how it will check for new content, how to download the content, when to make it active and what to do with the old files. Create a text file called d[MAC].txt where [MAC] is the MAC Address of the unit. This can be found by turning on the unit and pressing “stop” and “setup”. The MAC Address is in the lower right hand portion of the screen where you can also find the firmware version.



If the unit has a MAC Address of 00:13:FE:10:55:93, the filename will be d0013fe105593.txt. When you finish creating this file, it will be placed in the directory on the FTP site where the 1080PX is connecting for its content. You can manage several units from the same directory using the Mac Address, which is unique to each unit. You must also place all of the content in the same directory. Below is a screenshot of an example of the d[mac].txt file:



```
d0013fe100000.txt - Notepad
File Edit Format View Help
[Interval]
30 5

[dplay]
1

[time]
2009/08/21 18:40:01

[del]
on

[file]
001.mpg
002.mpg
0.png
1.png
schedule.txt
message1.txt
```

The first line will be the interval (Each parameter is separated by a blank line). The interval is the amount of time from the boot up that it takes the device to check the directory for this file and each subsequent interval. Example:

[Interval]

10 5

This tells the device to check the FTP 10 minutes after bootup and every 5 minutes after that.

The next line is how the files are downloaded. The [dplay] command has two options, 0 or 1. 0 has the unit stop playing and download the content in the foreground. It is used when you need to download the content quickly. 1 downloads the content in the background while the unit continues to play.

However, download speed is very slow. Example:

[dplay]

1

This tells the unit to download the content in the background.

[time] is the next function. This is the activation time of the downloaded content. When content is being downloaded, it goes to a temp folder called "dl". Once the content has completed, it checks the activation time to see when to move the contents for the "dl" folder to the root. If you set this time to something in the past, it will make the move as soon as the download has completed. Example:

[time]

2010/12/25 10:10:10

This tells the unit to activate the content on December 25 2010 at 10:10:10 AM. The Syntax is YYYY/MM/DD hh:mm:ss.

The [del] function tells the device what to do with the original files. It has 2 options on or off.

[del]

on

This tells the unit to delete the original files and only use the downloaded files. If off is used, it keeps the original files and overwrites files with the same name. The off method can be thought of as an update.

The last line is the [file] command. This is the list of all of the files you want to download. It follows the same syntax as the other commands. Note: There can be no spaces in the filenames on the server.

[file]

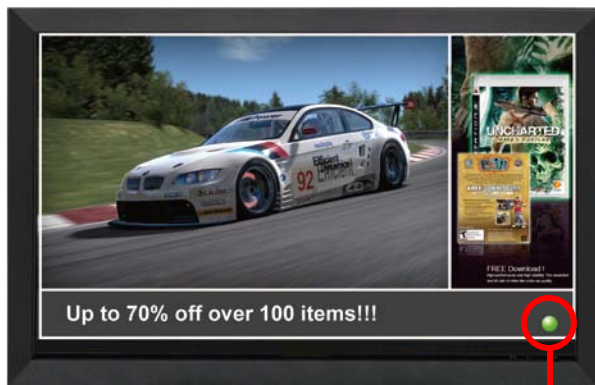
file1.jpg

file2.mov

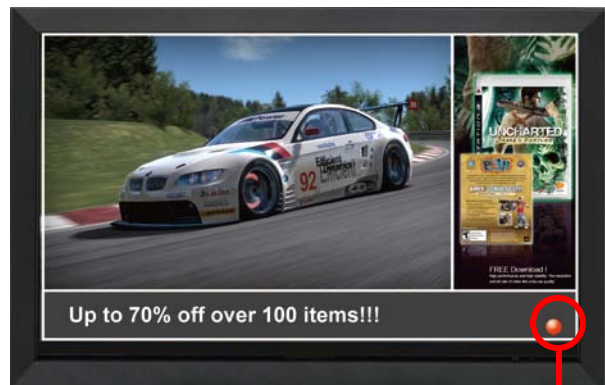
file3.mwv

schedule.txt

During the download process there is a small blinking green dot that appears in the lower right hand corner of the screen. If there is a connection problem with the FTP server, a blinking red dot will appear.



Blinking Green Light



Blinking Red Light

Now the unit must be set up to connect to the remote FTP server. The server can reside on your own local network or anywhere on the internet that the unit can connect to. There are 3 methods to accomplish this..

Method 1

Using the remote, press “play” and then press “setup”. Arrow down to the second icon from the top and arrow over to “Remote FTP Download Setup”. Press the enter button and fill out the information for the server address, port (FTP is 21 by default), User ID, password and the path to the directory where the content will be stored. If the content is more than 1 layer down, separate the directories by a “/” (no leading or trailing slash is needed). Press enter and then press “setup” to save and reboot.

Method 2

Using the remote again, press “stop” and press “setup”. Scroll down with the arrows to the 4th icon from the top that looks like a book. Arrow over to the “Export Setting File” line and press enter. This produces a file called HDPlayerSettings.txt on the CF card that you can remove and edit. Take the card out and open the file in a text editor (On a PC, use WordPad instead of notepad to make the editing easier). The lines you want to change are below (only change the text in red):

```
[AutoDownload] On Options:On,Off (Make sure this is set to On)
[AutoDownload_Time] 20:00:00 AutodownloadTime:HH:MM:SS (no need to change)
[AutoDownload_FTP_IP] 192.168.1.2 RemoteFTP:IPAddress (IP address of the FTP server)
[AutoDownload_FTP_Port] 21 RemoteFTP:Port (no change)
[AutoDownload_FTP_ID] root RemoteFTP:UserID (User ID of the FTP Server)
[AutoDownload_FTP_PW] admin RemoteFTP:UserPassword (password for the FTP server)
[AutoDownload_FTP_Path] media RemoteFTP:UserPath (path to the directory on the remote site)
```

Save this file and put it back on the CF card (Save a copy on your computer for future edits where you don't need the remote to generate it), put it back in and reboot. The unit will look for this file and make the changes accordingly.

Method 3

Using a web browser, navigate to the IP Address of the unit and select the Server tab. Here you can edit the same parameters that you did in the previous steps. This only works if you know the IP address. If you are using a static IP address, you will have it. If you are using a dynamic address, use the IP Edit application that comes with the unit to search for any PX devices on your network.

The screenshot shows a web interface with the following elements:

- Navigation tabs: Control, Network, **Server**, Time, Features, Reboot.
- Section: **Download from FTP Server**
- Enable checkbox: Enable
- Port:
- IP address:
- Path:
- User name:
- Password:
- Send button
- Section: **Local FTP Server Setup**
- Enable Local FTP Server checkbox: Enable Local FTP Server
- Port:
- ID:
- PassWord:
- Send button
- FTP Server Address: <ftp://192.168.1.200:21>
- Reload button

SETTING UP THE SCHEDULE

The previous section showed how to set up the unit for FTP Auto Download. This section is for scheduling content to play at a given time. The first step is to create a blank text file and call it schedule.txt. Below is an example of a schedule.txt file.

```
schedule.txt - Notepad
File Edit Format View Help
[Basic]
2
6.mpg
6.wmv
[Schedule]
3
[Start]
090918
171000
[stop]
090918
171500
[weekDay]
A11
[FileList]
02
0.wmv
0.mpg
[Start]
090918
171500
[stop]
090918
172000
[weekDay]
A11
[FileList]
01
1.mpg
[Start]
090918
172000
[stop]
090918
172500
[weekDay]
A11
[FileList]
03
2.mpg
000.mpg
001.mpg
```

There are 2 types of schedules we will be working with, the basic and the advanced schedule.

The basic schedule is what will be played when there isn't anything scheduled. In other words, this is the default. It follows the following syntax:

[Basic]

number of files in the list represented with an integer greater than 0

list of files

Example:

[Basic]

3

file1.jpg

file2.wmv

file3.wmv

The advanced schedule is only active when the date and time parameters are met.

[Schedule]

number of items in the list

[Start]

yymmdd – start date

hhmmss – start time

[Stop]

yymmdd – end date

hhmmss – end time

[Weekday]

All – or any day of the week (you will need a separate schedule for each day of you want to use a specific day of the week).

[FileList]

number of files in the list

list of files

You can create several schedules but do not overlap any of the schedules.

Using the FTP Auto Download function, add this file to the FTP and to your list of files to download. You can also push this via FTP to the unit if you want to make an immediate update. The default user ID is root and the password is admin for the FTP server built into the unit.

These are the basics for setting up your unit for FTP Auto Download and for the scheduling feature.

CONFIGURING THE TEXT SCROLL

If you are using a PX-3 or a PX-4 version, each of these units has the ability to split the screen into 3 sections. Section 1 will scale the normal content you use to a smaller window on either the left or right side of the screen. Section 2 contains a series of graphics files in a sidebar that must be exactly 213 px x 641 px in an 8 bit png format (without an alpha channel). Section 3 is a text crawl that is read from a file called message.txt that resides on the unit's CF card. This file can be downloaded with any of the content using the FTP Auto Download method, push it to the unit via FTP or pull out the card, mount it on your computer and copy the file using this method.

The message.txt file starts as a blank text file. The first parameter is [speed]. There are 3 speeds: X1, X2 and X3. Choose the one that fits your need.

[speed]

X3

Next is [color] and is for the font color. The choices are White, Yellow, Green or Rotation where Rotation rotates through all of the colors randomly.

[color]

white

Line 3 is [language]. The values are Latin1, Latin2, Japanese or Greek and correspond to the encoding of the text file.

[language]

Latin1

Line 4 is the [background]. This turns on a grey background for the scroll. Values are On or Off.

[background]

Off

Next is the [model] function. This tells the unit where to place the Sections. Values are:

Model1 – Full screen video with text scroll

Model2 – Section 1 is on the right, Section 2 is on the left and text scroll is on the bottom.

Model3 – Section 1 is on the left, Section 2 is on the right and text scroll is on the bottom.

[model]

Model1

The [Slide] parameter is how to change the sidebar image (when in multilayer mod which is only available on the -3 and -4 models). The options are:

ByTime – uses the default time for advancing the images

MatchVideo – uses the video playing in Section 1 as the duration. The video and the png file must have the same name but different extensions.

[Slide]

ByTime

The [png] parameter defines the png playlist. The first line is the number of items in the playlist (described by an integer greater than 0) and each line under is the filename in the playlist. Remember that the png must be 8 bit with a size of exactly 213(h) x 641 (v) pixels and must not contain an alpha channel.

[png]

03

file1.png

file2.png

file3.png

The last parameter is the [text] parameter. This is the text you want displayed.

[text]

Hello World!!!

Note: The text that is displayed on the screen is read from the message.txt file. Anytime the unit is rebooted, it will read the text from here. If you want to make a change, you can make a temporary change that will only stay active as long as you don't reboot the machine by using the web interface. You can do this by using a web browser and connecting to the unit's IP address. Once connected, click on the *Features* tab and enter the text you want to scroll in the text box and click "send". This loads the text into temporary memory and will display until a reboot. You can repeat this as many times as necessary.

The screenshot shows a web interface with a top navigation bar containing tabs for Control, Network, Server, Time, Features, and Reboot. The Features tab is selected. Below the tabs, the interface is divided into three sections:

- Web Interface:** Contains a checked checkbox for "Enable". To the right, there are three input fields: "Port" with the value "80", "User ID" with the value "root", and "Password" with five dots. A "Send" button is located to the right of the password field.
- Web Auth:** Contains an unchecked checkbox for "Enable Auth". A "Send" button is located to the right.
- Scrolling Text:** Contains a text input field with the placeholder text "Enter your text in this box." and a "Send" button to its right.

At the bottom right of the interface, there is a "Reload" button.