

TMP N2

TiroMedia Digital Signage Networked Player

Version 2.6



User Manual & Installation Guide

Introduction

The TMP N2 is a small, yet powerful, digital signage player.

The player is fully managed from a remote Web site, TiroMedia's CMS, or directly from a CF card. The unit is designed to work out of the box with minimal configuration.

The package contents include:

- TMP N2 player
- External Power Adapter Input 110/240V auto switching, Output +12V/5A
- Composite, Component, S-Video and VGA AV cables
- Remote control

Quick Start Guide

Connect the desired display cable (VGA, Component, Composite or S-Video) from the player to your display unit.

Connect the player to the network.

Turn on the player.

Turn on your display unit (TV, VGA monitor, etc).

If your player was preset with demo settings from TiroMedia, it will automatically download media once you place a CF disk in the player and connect it to the Internet.

Note: If you are using a VGA monitor and your screen is blank, press 'TV Mode' button on the remote control to toggle to VGA mode. By default, the player is setup to use the Component/Composite/S-Video connection.

Supported Media Specifications

Supported Video Formats

MPEG 1

MPEG 2, (PS), MP@ML, (up to 480p)

MPEG 4, SP & ASP, (up to 480p)

Supported Audio Formats

MP3 & WAV

Supported Image Formats

JPEG

BMP, GIF & PNG (CMS Required)

Maximum Input Video Rates

MPEG-2: 8 Mbps

MPEG-4: 3 Mbps

The maximum supported input data rate (bit-rate) is affected by many factors such as the input resolution of the video as well as the CF card speed. For maximum bit-rate support, MPEG-2 is recommended.

Only use supported media types. If you are having playback issues with a specific video, ensure you are using a supported Codec, resolution and bit-rate.

Initial Configuration

The player supports two modes: Standalone and Network.

Standalone Mode

If you plan on using the player as a standalone device (no network connectivity), simply generate the play list (see section below) then copy it to an empty CF card along with all the media files. Insert the CF card into the player, and reset it.

Please skip to 'Player Configuration'

Network Mode

Note: If you are using the player with the CMS, please refer the CMS Manual for setup instructions.

Before using the player, a configuration file (autoconfig.mib) must be created to set the download path for the play list (playlist.mpl). Once the autoconfig.mib file is processed, the settings are saved in the player's internal flash memory. The CF disk can be replaced without the need to re-apply the configuration. The file playlist.mpl needs to be available once the player is powered up.

Play List

To create play list, use Notepad to create a text file named playlist.mpl. Add the following three lines:

```
[configuration]
globalinterval=5
transition=0
```

The 'globalinterval' parameter specifies the default display time for all pictures.

Include the URL path (Network Mode only) for all media files in a sequence (file0, file1, file2, etc). For instance, if you have two files: one.jpg and two.jpg located under <http://my-server/media/> the following lines would need to be added:

```
[file0]
host=http://my-server/media/
path=one.jpg
size=32034
```

```
period=5  
starttime=11:00  
stoptime=13:00  
[file1]  
host=http://my-server/media/
```

```
path=two.jpg  
size=5406  
period=5
```

The entries in [blue](#) are optional. The host entry is not required in Standalone Mode.

The 'size=' parameter refers to the size of the file (in bytes).
The 'period=' parameter specifies the display length for a picture in seconds. When used with an MPG or MP3 file, it specified the number of times the media should be played back before the next item on the play list.

The 'starttime=' and 'stoptime=' can be used to specify a time-range during the day for the media playback.

The 'host=' entry is optional if the player is on Standalone mode!
At the end of the play list, please include one empty line (hit Enter at the end of the file).

Note: Your play list can have any name as long as the extension '.mpl' is present.

Scrolling Text

If you would like to have a custom scroll text, you can create a text file named: main.rss.txt and store it in the same folder as the playlist file on the Web server. The file should contain the desired text and add it to your play list.

If you need to change the look and feel of the text (background, font size, etc), the following line would need to be included at beginning of the text file:

```
osd_settings: <bgcolor> , <fgcolor> , <transparency> , <speed> , <refresh>  
> , <clock>
```

The available options are as follow:

<bgcolor>: 0 = Blue, 1 = Grey, 2 = Red, 3 = Light Blue, 4 = Green, 5 = Yellow, 6 = Magneta, 7 = Orange.

<fgcolor>: 0 = White, 1 = Black.

<transparency>: 0 = 100%, 1 = 75%, 2 = 50%, 3 = 25%, 4 = None.

<speed>: 0 = Slow, 1 = Normal, 2 = Fast.

<refresh>: 1 - 60. This value (in minutes) represents the frequency the player checks the server for main.rss.txt updates. Setting this value to 0 will cause the player to reboot. If the value is not changed back, the player will keep rebooting indefinitely!

<clock>: 0 = on, 1 = off.

For example, to have scrolling text with a black font, light blue background, 50% transparency, 1 minute refresh-rate at medium speed with the clock showing, we'll need the following line:

```
osd_settings=3,1,2,2,1,1
```

Autoconfig

In order to point the player to a remote play list stored on a web server, a configuration file must be created to be processed by the player.

To create the configuration file, use Notepad to create plain text file named: autoconfig.mib. The file should contain the following two lines and do not forget to press enter at the end of the last line:

```
[Preference]
```

```
playlist=<URL For playlist.mpl>
```

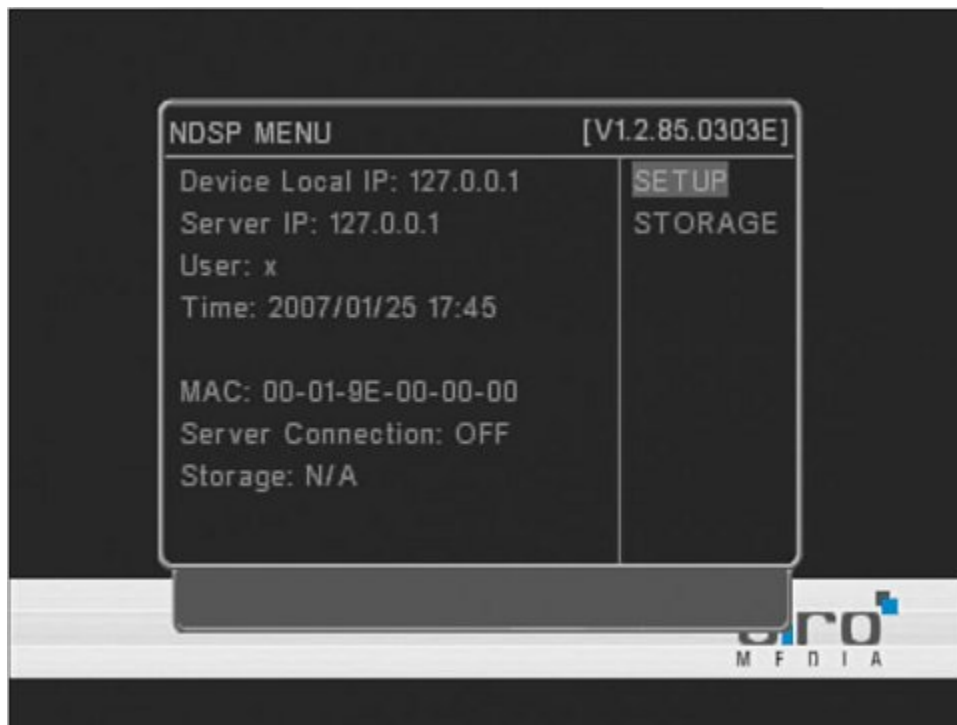
Copy the file autoconfig.mib to a CF card. Insert it into the player then power it up. After few seconds, the player will load up the configuration then reset itself.

After a brief period (up to two minutes), you should be able to see a message on the screen about content being downloaded. Once the download is done, the player will reset itself then start the playback. The autoconfig.mib file will be automatically deleted from the CF card.

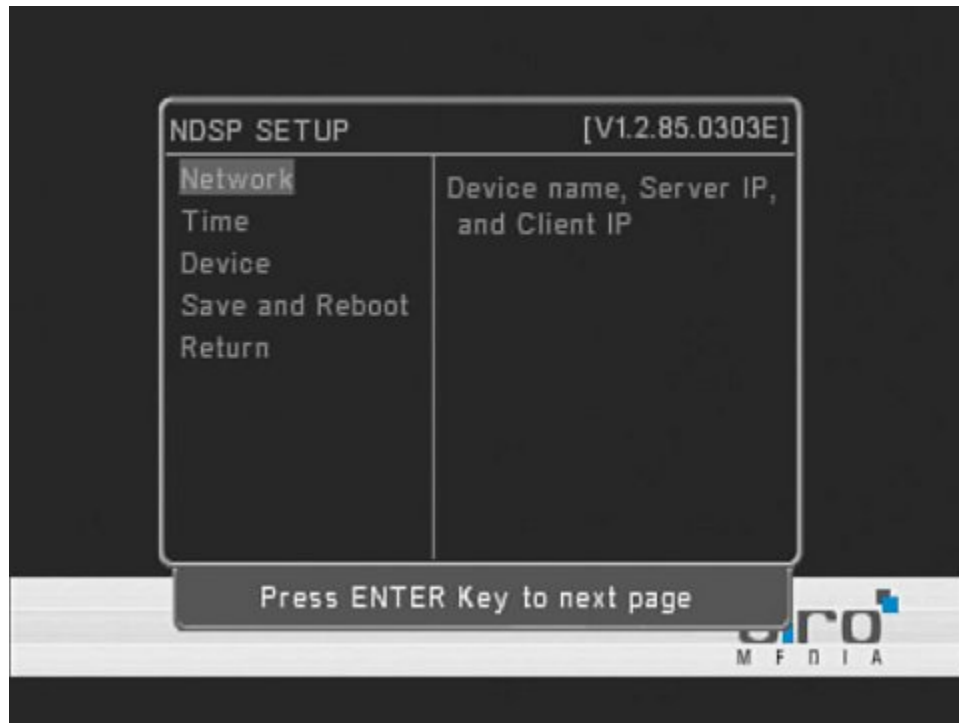
You can use the 'Player Configuration' to set additional options on the player. Most of these options are not required for the player to function properly!

Player Configuration

To enter Setup, press the Main Menu button on the remote control. If the player is running (displaying content), press the Stop button on the remote control, then the Main Menu.



This Main Menu window displays the current time, local Mac Address as well as available storage. The Mac Address is used to reference the player.



There are three available categories: Network, Time and Device.

You can press Save and Reboot if you want to restart the player.

You can Press Return if you want to return to the main menu.

If your want your player to use a dynamic IP (DHCP), you do not have to change settings under Network. This is the default setting.

Network

Select Network then press Enter so you can move to the screen which allows you to pick 'DHCP' or 'Static IP'.

If you need to assign a static IP for your player, select the appropriate option, and then enter values for IP Address, Mask, DNS and Gateway using the numeric keypad on the remote.

Press 'Enter' when finished to return the main setup menu.

Time

In this category, you can adjust the internal clock of the player.



[Date] Select the current date (year – month – day). Please use the numeric key pad on the remote to change values.

[Time] Select the current time. Please use the numeric key pad on the remote to change values.

When you are done, press the 'Enter' key on the remote return to the main setup menu.

Device

In this category, you can configure the Restart Time, Device Schedule (On/Off times), TV Mode as well as TV Type.




[Restart Time] This option should have a value set (ex: 1:00 AM). This is time the player resets after downloading needed content from the remote server. If this option is disabled (set to OFF), the player will not be able to download content!

[Device Schedule] This option sets the actual time the player will switch on and off. The default is 'OFF' which allows the player to play continuously.

[TV Mode] This option determines how movies should be played (Pan-and-Scan, Letter Box and Wide Screen). Wide Screen is the recommended setting as it allows most movies to be displayed correctly regardless of their ratio (4:3, 16:9, etc).

[TV Type] Select the type of TV you are using (NTSC is most common type in the United States).

Remote Control Keys

	Main Menu	Switch to Main Menu
	TV Mode	Switch between S-Video/Composite and VGA
	Mute	Mute/Un-mute sound
	(Volume) +	Increase volume
	(Volume) -	Decrease volume
	Position +	Move ticker up
	Position -	Move ticker down
	Stop	Stop playback

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