

TMP N3

TiroMedia HD Digital Signage Networked Player

Version 1.1



User Manual & Installation Guide

Introduction

The TMP N3 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 N3 player
- External Power Adapter Input 110/240V auto switching, Output +12V/5A
- Component and audio cables
- Remote control

Quick Start Guide

Connect the Component cable from the player to your display unit.

Connect the player to the network (if used).

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 insert a CF disk in the player and connect it to the Internet.

Note: The player supports two HD resolutions: 720p and 1080i. You can switch between them using the 'Video Mode' button on the remote control.

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 (up to 5120x3840)

BMP, GIF and PNG are supported when the CMS is used.

Maximum Input Video Rates

MPEG-2: 8 Mbps

MPEG-4: 3 Mbps

The TMP-N3 supports two HD resolutions: 720p and 1080i. The player can only decode SD movies (480p) which will be up-scaled to 720p or 1080i. HD images are fully supported. It is recommended to use images which fit the selected screen resolution. For example: 1280x720 for 720p and 1920x1080 for 1080i.

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. You can also use a USB drive to automatically copy content to the local CF disk.

To use a USB drive to copy content, create a folder name 'Sync' on it. Plug in the drive and all content already on the CF disk will be replaced with the content from the 'Sync' folder.

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.

Make sure the 'SETUP' option is selected then press Return.

There are three available categories: NETWORK, TIME and PREFERENCES.

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 you 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 'PLAYER' then press Return so you can move to the screen which allows you to select 'DHCP' or 'STATIC IP' by using the Left or Right buttons on the remote control.

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.

Select 'RETURN' when finished to return the PLAYER menu. Select 'RETURN' again to return to the SETUP MENU.

TIME

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

[TIME SERVER] This option can be ignored.

[DATE] Select the current date.

[TIME] Select the current time.

[TIME ZONE] This option can be ignored.

[DST MODE] This option can be ignored.

[PLAYER TIMER] Select this option to move to the 'PLAYER TIMER SETUP'.

PLAYER TIMER SETUP

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

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

[PLAYER DAILY RESTART] This option should have a value set (ex: 1:00 AM) when the player is used in Network Mode. This is time the player reboots before downloading needed content from the remote server. If this option is disabled (set to OFF), the player will not be able to download content!

When you are done, select 'RETURN' to go back to TIME SETUP. Select 'RETURN' again to return to 'SETUP MENU'.

PREFERENCES

In this category, you can select your preferences.

[MPEG2(16:9)] This option determines how movies should be played: PS (Pan-and-Scan), LB (Letter Box) and WIDE (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). or WIDE.


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

[MAIN MENU] This option can be ignored.

[DATE FORMAT] Select the date display format.

When you are finished, select 'RETURN' to go back to 'SETUP MENU'. You can then select 'SAVE AND REBOOT' to save your settings and restart the player.

Remote Control Keys

	Main Menu	Switch to Main Menu
	TV Mode	Switch between 720p and 1080i
	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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