

TMP N4/N4W

TiroMedia HD Digital Signage Networked Player
Version 1.6



User Manual & Installation Guide

Introduction

The TMP N4 is a compact HD digital signage player.

The player can be fully managed from TiroMedia's CMS. The unit is designed to work out of the box with minimal configuration.

The package contents include:

- TMP N4 player
- External Power Adapter Input 110/240V auto switching, Output +12V/2.65A
- Antenna (TMP N4W)
- Remote control

Quick Start Guide

Connect the desired display cable (HDMI or VGA) from the player to your display unit.

Connect the player to the network (if needed).

Turn on the player.

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

If your player has a wireless interface, attach the antenna to the device. Do not over tighten the antenna as this might damage the player.

Before starting to use the player, it is recommended for format the CF disk. If the configuration file is left on disk, all settings will be reset after a restart. See page 8 for instructions how to format the disk.

By default, the player will play content from the CF disk. If you would like to override this, you can insert a USB stick into the port and the player will automatically switch the playback to the USB content. You can also use a USB stick to update the CF disk (under Setup).

Note: If you are using a VGA monitor and your screen is blank, press 'Display' button on the remote control to toggle to VGA mode. By default, the player is setup to use the HDMI.

Supported Media Specifications

Supported Video Formats

MPEG 1

MPEG 2, (TS & PS), MP@HL, (up to 1080p)

MPEG 4, ASP@L5, (up to 1080p)

WMV, Windows Media Video 9 (Professional), MP@ML, (up to 720p)

Supported Audio Formats

MP3 & WAV

Supported Image Formats

JPEG (Baseline), BMP*, GIF* & PNG*

Maximum Input Video Rates

MPEG-2: 20 Mbps

MPEG-4: 15 Mbps

WMV-9: 10 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.

The Output resolution of the player is independent from the input resolution of the media. This means you can play a 720p video when the player's resolution is set to 1080p.

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 would like to use the player as a standalone device (no network connectivity), simply copy all your content (media and optional play list) to the CF card. Insert it into the player then power it on.

* Requires CMS.

Network Mode

Note: If you are using the player with the CMS, please refer to the CMS manual on how to generate the initial configuration file. Once you have the file, copy it to a CF card then insert it into the player. Make sure the player is connected to the network (unless you are using the wireless interface) then turn on the player. The player will then apply the configuration from the CF card then connect to the CMS and start downloading its play list/content.

If you do not wish to use the CMS, you can setup the TMP-N4 to download and playback content from your own website. You simply have to copy your play list and media files to your website and setup the player to point to the web server. Please refer to the Server category under Setup for more information.

The following sections outline how to setup the player when the CMS is NOT used!

Play List

The playlist should only be generated manually when the device is used with the CMS.

To create a play list, use Notepad to create a text file named playlist.txt.

Next, add a listing of all media files you would like to include in your play list. For example:

One.jpg
Two.jpg
Test.mpg
Message.txt

If you would like to specify a specific display time for an image, add the following: '003:XXXX' where 'XXXX' is the actual time in seconds. For example: 'One.jpg|003:0015' would indicate the image 'One.jpg' needs to be displayed for 15 seconds.

The play list needs to be stored on the CF card or USB stick along with the media items. If the play list contains a scrolling text, it should not be used with a USB stick.

Day Parting

If you require different content to be played based on time of day, you can specify time ranges in your playlist as follow:

<ANY>

One.jpg

Two.jpg

<08:00-22:00>

Three.jpg

Four.jpg

In the above example, the player would display the images 'Three.jpg' and 'Four.jpg' between 8:00 AM and 10:00 PM. The content under <ANY> would be displayed for any time outside the range(s). It is recommended to always have an <ANY> section so it can be used default when no time ranges are specified.

Scrolling Text

If you would like to use scrolling text, create a text file, store it on disk and make sure you reference it in your play list file. Make sure the option is also enabled under the Setup Menu.

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 Setup button (blue button). There are six available categories.

Video/Audio

In this category, you can setup video and audio options.

[Brightness] Use the '+/-' buttons to adjust the brightness setting.

[Contrast] Use the '+/-' buttons to adjust the contrast setting.

[Saturation] Use the '+/-' buttons to adjust the saturation setting.

[Video Output] The two supported outputs are: HD DVI/HDMI and VGA. Please select the desired the desired resolution along with the appropriate output. If you accidentally select an invalid video output, you can always toggle back using the 'Display' button on the remote control.

[Audio Output] Select either 'Stereo' or 'Surround'.

Server

In this category, you can select an optional web server to download content from. If you do not plan on using a web server, skip this section.

[Connect Mode] This should always be set to 'Internet'.

[Change Server IP] You can enter the IP of your web server here.

[Change Server Folder] Enter the folder under which you have the playlist (playlist.txt) and media files. For example: 'Player1'. This would mean, the player would download the playlist from:
http://<Server IP>/Player1/playlist.txt

[Change ID] Do not modify this setting.

[Change Password] Do not modify this setting.

[Change Server Port] Do not modify this setting.

LAN

In this category, you can set the network options for the player.

[IP Address] Select 'Auto' for DHCP; otherwise, select 'Fixed' (static IP). If you choose 'Fixed', you will have to manually enter the IP Address, Subnet Mask and Gateway.

[DNS Server] Select 'Auto' if the DNS address is provided through DHCP. If you would like to manually specify a value, select 'Fixed'.

[Network Status] This will indicate the status of your network.

[Ping Test] You can use this test to check the player's connectivity.

W.LAN

[Wireless LAN Support] If you would like to enable the wireless option (only on select models), select the 'Enable' option.

[Wireless LAN Setting] You can use this option to set your wireless network parameters: Mode, SSID, Channel, WEP Key Support, and WEP Key.

[IP Address] Select 'Auto' for DHCP; otherwise, select 'Fixed' (static IP). If you choose 'Fixed', you will have to manually enter the IP Address, Subnet Mask and Gateway.

[DNS Server] Select 'Auto' if the DNS address is provided through DHCP. If you would like to manually specify a value, select 'Fixed'.

[Network Status] This will indicate the status of your network.

[Ping Test] You can use this test to check the player's connectivity.

SCREEN

[Auto Run] Do not modify this setting (All Files).

[Slide Effect] Select the desired slide effect between images.

- [Transition Time] Select the default display time for images.
- [Caption] Enable this option if you would like to use Scrolling Text.
- [Caption Position] Specify the position of the Scrolling Text.
- [Caption Color] Specify the color of the Scrolling Text.
- [Caption BG Color] Specify the background color of the Scrolling Text.
- [Caption Scroll] Select the scrolling speed of text.
- [Auto Scaling] Specify whether auto-scaling should be enabled.
- [Auto Run Restart] Use this option to start playback.

TIME

This category is used for setting clock/time options for the player.

- [Cur. Time] Displays the current time.
- [Cur. Time Setting] The two available options are 'User Input' and 'NTP'. You can use the 'NTP' option to automatically synchronize the clock from the Internet.
If you select 'User Input', do the following to set the time:
Highlight 'Cur Time Setting' then press 'User Input'. Press OK.
Highlight the date to enter a value for it. It should be in the format: MMDDYYYY. For example: 01102009 for Jan 10, 2009.
To enter a time value, highlight the second row. The time should be entered in the following format: HHMMSS. For example, enter 152000 for 3:20:00 PM.
- [NTP Server] Select the NTP server to use (only with the NTP option).

- [Time Zone] Select the local time zone.
- [Time Display] Select the clock position on the screen.
- [Time Clock] Select the clock color.
- [Time BG Color] Select the clock background color.
- [AUTO ON/OFF] You can use this option to automatically power on/off the unit based on the time of the day.

ADVANCE


- [Screen Saver] This option should not be changed.
- [File Sort] This specifies the sort order of files.
- [OSD Message] Specifies if on-screen messages should be displayed.
- [Language] This option should not be changed.
- [Font Size] Select the font size to be used.
- [Return to Initial State] This option resets the unit.
- [S/W Upgrade] This option displays the current version.

[CF/IDE Management] This can be used to erase or format the CF disk.

[USB Memory] If you want to copy content from the USB drive to the CF disk, select 'Copy Files'. If you would like the CF to only have the content on the USB drive, please select 'Sync. Files'.

[DSP Mode] Do not modify this setting. The default is 'Standard'.

Remote Control Keys

	SETUP	Switch to Setup
	DISPLAY	Switch between HDMI and VGA
	Mute	Mute/Un-mute sound
	(Volume) +	Increase volume
	(Volume) -	Decrease volume
	AUTO	Resume playback
	POWER	Turn unit On/Off
	Stop	Stop playback

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