# PRODUCT USER GUIDE

**Supported file types.**

.TS, .MOV.MP4.AVI.MKV.MP2.JPG.PNG

**Supported video codecs.**

H.264 / AVC
H.265 / HEVC
MPEG2
VP9

*Only files with these extensions will be copied from the USB storage to internal storage.*

## SETTINGS

All settings are controlled by the settings.json file, this file must be placed in the root of the USB flash drive. The file can be edited in any text editor, we recommend the free Notepad++ application for Microsoft Windows.

```
{
"disable_hwdecode":          true,
"restart_at": "",
"auto_update":        true,
"background_copy":       false,
"image_duration":       10,
"video_scale":        "fill"
"interactive": {
        "beep":                 false,
        "enabled":              false
},
"drive": {
        "drive_id":             "",
        "enabled":              false
},
"ftp": {
        "server":               "161.35.43.43",
        "port":                 21,
        "username":             "username",
        "password":             "password",
        "path":                 "/",
        "enabled":              false
}
}
```

**The following settings are relevant to all modes:**

**Disable_hwdecode** = When true hardware video decode is disabled. Enabling hardware decode will improve performance especially when playing 4K content but may result in black frames being seen when looping or in between files.

**Restart_at** = The time to restart the device in 24HRS, eg "23:00". When blank restart is disabled.

**Auto_update** = When true, files and settings are updated. When false, only settings are updated on insertion of USB storage.

**Background_copy** = When true, the blue screen showing the status of each file copy will be hidden.

**Image_duration** = How long still images should be displayed in seconds. This value is used in Normal Mode and Interactive mode when the interactive-loop.MP4 file is present.

**Video_Scale** = It accepts the following values: "best-fit" (Default), or "fit", "fill", "16:9", "4:3", or "original" depending on content properties and screen format.

## NORMAL MODE:

- Normal mode is active if FTP is set to false in *settings.json*

- The app will copy video content from connected USB storage to the internal memory.

- Every time new content is copied the old content in internal memory will be deleted.

- The content will be copied in alphanumerical order and will loop play in the same order. Files on the USB stick should be named alphanumerically the way you want them played.

- There is an on-screen notification when copying files from USB and when the copy is complete.

## INTERACTIVE MODE:

- Interactive mode is triggered when the 'interactive' setting is set to true in the settings.json file.

- Interactive mode receives requests to play files via QR or barcode scans, connected keypads or PIR sensors etc.

- In 'interactive' mode the app will loop the video file called interactive-loop.mp4 until it receives a play request, it will then play the file with the requested name and return to looping the interactive-loop.mp4 file when completed.

- If interactive-loop.mp4 does not exist, the app will show a black screen.

- The barcode or keypad should contain the complete filename excluding the extension, for example to play myvideo.mp4 you type myvideo followed by return.

- You must ensure you do not have files with duplicate names

- All video files should remain in the root directory of the USB storage.

- We display a message on the screen to confirm the switch between interactive mode and normal mode when copying files from the USB storage.

By default, the device will emit a 300ms beep on a successful barcode scan and before it starts playing the file, if the barcode is scanned, but if the filename is not found in the playlist, then it will instead give an 800ms congestion tone. NOTE: selecting 'beep' to "true" will cause a slight delay in the content being played.

## FTP MODE:

- FTP mode is triggered when the 'FTP' setting is set to true in the settings.json file.
- The server, port, username, password and path fields inside settings.json must be configured for the folder containing the media.
- Once the configured USB drive is connected the app will attempt to check the shared folder for content.
- The folder containing the content should also contain the control.json file You can copy this file from here https://1drv.ms/u/s!An03Er8N8YfNg4MqQ6Le7NJnQxfGbQ?e=hlvnJe



**There are three options inside this file:**

**Version** = When this changes the app will download the content again

**Update_interval** =How often the app checks Google Drive for changes in seconds.

**Restart_at** = The time to restart the device in 24HRS, eg "23:00". When blank restart is disabled.

## MAINTENANCE MODE:

- To exit the app and access the Android devices settings, connect a USB keyboard and press CTRL + M.

## LOGGING:

- The app will keep daily logs of the files that are played in **Interactive Mode**, every time you connect a USB drive the logs will be copied to *Android/media/com.technovia.mediaplayer/logs* on the USB drive.

- The local copies of all but the current day's log file will be deleted after the copy is complete.

# PRODUCT OVERVIEW

The Plug 'n' Play media dongle stands as a cutting-edge multimedia solution, boasting a comprehensive array of features designed to enhance your media playback experience.

With support for a wide range of video formats, including high-definition and 4K content. Its intuitive headless interface allows content and playlists to be updated without any UI interaction, optionally the Google cloud and FTP integration allows for remote management of the content.

## Features:

- The app will copy video content from a connected USB storage device to the internal memory.
- Every time new content is copied the old content in internal memory will be deleted.
- FTP mode allows content to be remotely managed via an FTP server (fees may apply for this service).
- Interactive mode allows a holding video file to play on loop, scanning a QR code or barcode containing the video filename will trigger that file to play before returning to the loop. Similarly interactive buttons, keypads, PIR sensors and other sensory devices can be used via the devices USB connection.
- A logging functionality writes play logs to the USB storage when connected.

# STANDARD WARRANTY

- All Technovia equipment is guaranteed against any manufacturing defects for one year from the date of purchase.
- The original purchase invoice or other documentary evidence should be supplied at the time of any request for repair or replacement under warranty.
- The product warranty period begins on the purchase date. If the purchase date is unknown, the product warranty period begins on the first day of the month after shipment from a Technovia office.
- Damage caused by accident, misuse, unauthorized repairs, sand, grit or water is not covered under the warranty.
- Viruses and malware infections on the computer systems are not covered under the warranty.
- Any errors that are caused by unauthorized third-party software installations, which are not required by our computer systems, are not covered under the warranty.
- All mail or transportation costs including insurance are at the expense of the owner.
- All other claims of any nature are not covered.
- All accessories including headphones, cables, and batteries are not covered under the warranty.
- The Warranty is only valid in the country or region where purchased.
- Your statutory rights are not affected.

**For EU Customers only - WEEE Marking**

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

**CE Marking** is the symbol as shown on the left of this page. The letters "**CE**" are the abbreviation of French phrase "Conformité Européene" which literally means "European Conformity". The term initially used was "EC Mark" and it was officially replaced by

**Technovia Plug'n'Play 4K HDMI Media Stick**

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