

MANO ULTRA MK3 MUSIC PLAYER HARDWARE MANUAL

“Mano Music Streamer for high-end streaming developed to connect via I2S to Audio-GD & Holo Audio or other I2 LVDS compatible DAC's”

*High-End music
streaming for
S/PDIF & I2S
DAC's*

Introduction

This document describes the hardware elements of the Mano ULTRA mk3 Music streamer.

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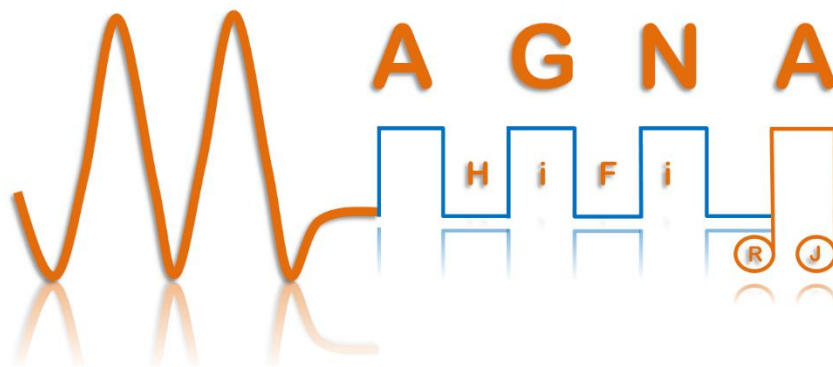


Table of Contents

Introduction	3
Front- & back panel connections	4
Install and 1 st time operation.....	5
Replace micro SD-card	6
Replace Farad Super3 fuse	6

Introduction

The Mano ULTRA mk3 music streamer is a open hardware device which supports both S/PDIF or AES/EBU and HDMI I2S (Holo Audio or PS-Audio Compatible) digital audio outputs.

Several software solutions are available:

- [Logitech Media Server solution](#) (piCore)
- Ropieee (XL) [a ready-to-go Roon Ready solution](#)
- Volumio [Audiophile music player](#)
- MoOde™ [audio player](#)
- Gentoo Player (Roon Ready / UPNP Solution)

Front- & back panel connections



Power Button ON/OFF with LED (BLUE) Indication (ON)



1. LAN = Ethernet Connection
2. USB = USB peripherals (Not for Audio purposes)
3. I2S = I2S (over HDMI) Audio Output
4. SPDIF = S/PDIF or AES/EBU Audio Output
5. 5VDC In = DC Input, only Farad Super3 PSU (5VDC)

Install and 1st time operation

Your Mano is shipped with a fully prepared software image. (Micro-SD Card installed already)

When connecting your Mano for first time, please follow these instructions for proper setup.

1. Connect an Ethernet LAN cable from the Mano to your LAN/router.*
2. Connect DC cable from the Farad Super3 to the Mano ULTRA mk3 DC input
3. Connect main power cable to the Farad Super3
4. Connect digital coaxial / AES-EBU or HDMI cable from the Mano to your DAC
5. Install remote application on your smartphone (if applicable)
6. Check Super3 Power LED is BLUE and turn on the Mano
7. Wait 2 minutes.....
8. Check whether Mano ULTRA has got an IP address assigned by your network router*

*Find IP Address

Network scanner tools loop through every possible IP address on your network and try to detect any available hosts, like your Mano ULTRA.

Remember, these tools will only work if your computer or phone is on the same network (i.e., connected to the same router) as your Mano ULTRA

Install one of the tools below. Run the tool from a computer on the same network as your Mano ULTRA. This method has the advantage of finding every device on your network. Look for the result with a hostname that includes "mano".

Tools below are free to download

IP Scanner

AngryIP Angry IP Scanner is an open source program. This tool is available for windows, Mac OS, and Linux. Find IP address on your network <http://angryip.org/download/>

IP Scan

This tool is available for Windows only. IPScan – Find IP address on your network <http://www.advanced-ip-scanner.com>

Replace micro SD-card

The micro-SD card can be found at the bottom. (hole underneath Mano ULTRA mk3 unit)
Turn off Mano ULTRA mk3 (disconnect DC cable) while replacing micro-SD Card

Replace Farad Super3 fuse

Note: The Fuse is located inside the Super3.

Type of Fuse

230VAC Version: 800mAT (Slow Blow) 5x20mm / 250V

115VAC Version: 1,6AT (Slow Blow) 5x20mm / 250V

Please consult the Farad Super3 Manual in order to change the Fuse.

