JAY'S AUDIO

CDT2-MK2

USER MANUAL

QUICK START GUIDE

1. After receiving the CDT, please do not rush to power it up. First, check the physical appearance of any damage may be caused by shipping.

2. Slide the top loading lid open and remove the protection foams completely.

3. Insert a disc, put on disc clamp, close the slider lid. You should hear a click sound where the slider lid limit switch triggered.

4. Plug in the power cord and turn on the rear power switch.

5. After about 5 seconds of spinning the disc, the CDT automatically enters the power-on state, and the OLED display flashes "READ" indicating that the disk information is being read.

6. After the disc information is correctly retrieved, the disc information's will be displayed. For example, "18 84:18". At this point, the CDT is in normal operation.

7. Connects digital output to the external DAC for playback.

TIPS

1. The CDT will work at its best quality after an hour of warming up.

2. Power On / Off

    - Turn on/off the power switch at the rear panel to turn on/off the unit.

    - It is safe to leave the power switch on 24/7

3. When not in use for a long period of time, it is recommended to switch off the main power switch to save the earth.

4. The CDT needs about 400 hours to burn in.

INTRODUCTION

Jay's Audio products are built with performance and durability in mind. Each product is tested carefully with Audio Precision APX525 before shipping. Careful installation of the product will ensure the correct performance and ensure the product is at its full potential.

PACKAGE CONTENTS

1. AC Mains Power Cord
2. Disc Clamp
3. Gloves
4. Remote Control Unit
5. Spare Fuse
6. CDT2-MK2

UNPACKING

The CDT is shipped with sturdy double boxes. Please keep the box should you need to transport the unit to another location.

Carefully unpackage the CDT, place it on a stable surface, i.e. HiFi Rack. You may wish to use the gloves provided while handling the CDT.

Peel off the transparent green tape of which was used to factory sealed the top loading slider lid.

Slide open the top loading lid, located the protective foams inside. The protective foams were intentionally stuck in between the CDM4/19 laser assembly space to prevent the potentially erratic movement of the laser during transit. Remove the protective foams completely.

CONNECTIONS

The connections of power cord, interconnect cables are located at the rear panel of the CDT. For both safety and performance, please use quality cable from reputable suppliers. i.e. Studio Grade cable, namely, Gotham / Sommercable / Mogami / Belden, etc.

Figure 1.   CDT2-MK2 Rear Panel

(1) AC MAINS POWER SWITCH

Switch On/Off the unit by using the power switch. 0 denotes Off, 1 denotes On. There is no standby function.

(2) AC MAINS POWER IEC SOCKET

The AC Mains is fitted with a mains fuse, rated at 1.6A, 5x20mm, Slow Blow. Replace the fuse should the fuse blown with the spare fuse provided, or with the identical fuse rating. Frequent fuse blown is considered a fault. Please contact us to investigate the issue further.

Connect the power cord to the AC Mains IEC inlet firmly.

(3) DIGITAL OUTPUT 16/44.1K

The CDT2-MK2 is equipped with four (4) Digital Output. From the Left to the Right:

- HDMI I2S (LVDS)
- ASE/EBU
- SPDIF – RCA
- SPDIF – BNC

The Digital Outputs are isolated. You may connect more than one output to the external DACs. Should you need to run a long interconnect cable, we recommend ASE/EBU connection.
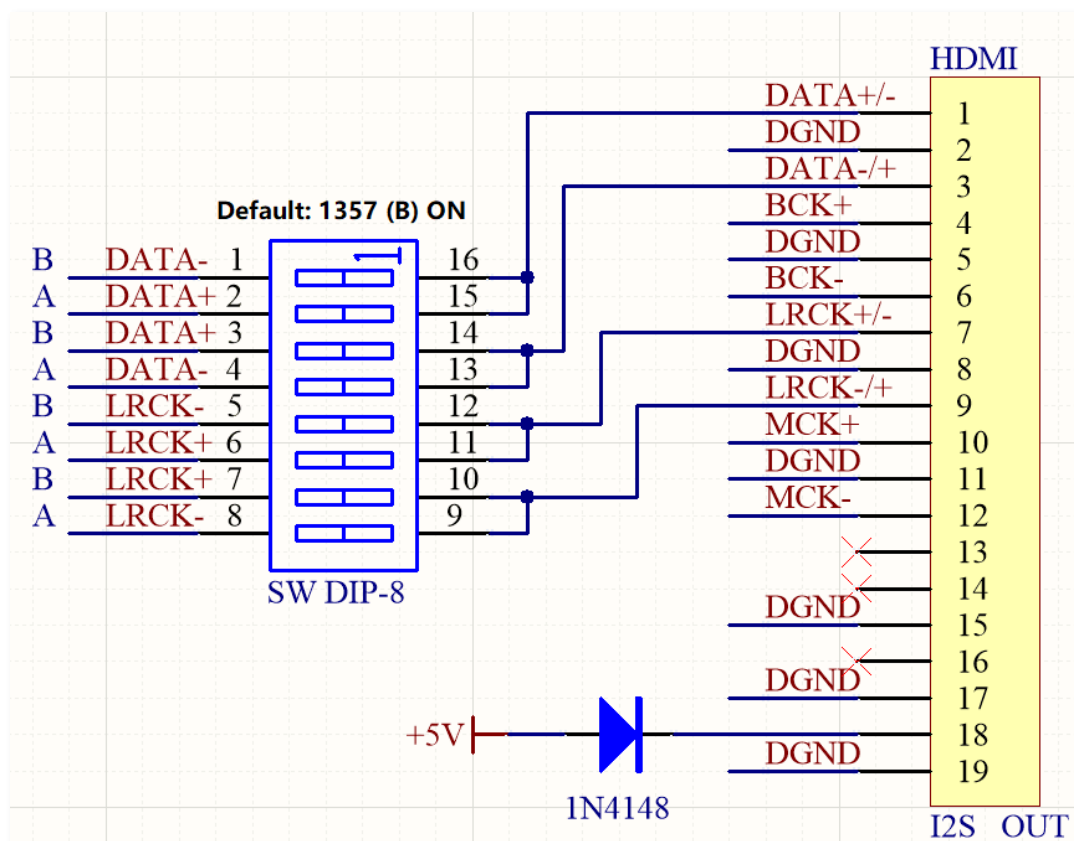
HDMI I2S (LVDS)

Figure 2.   HDMI I2S Pinout

There is no industry standard of I2S connection. We could not guarantee the I2S connection workability with your DAC. This shall not be considered as a defect should the matching failed.

List of verified and tested DACs:

- JAY'S AUDIO DAC2-SE
- DENAFRIPS Pontus/Venus/Terminator (I2S Mode 000)
- PSAudio Directstream DAC
- Singxer SDA-1
- Holo Spring 1/2

OPERATION

Figure 3.   CDT2-MK2 Top Loading

- **Disc Loading**

To open the CDT2-MK2 top loading door, slide the lid towards the rear of the unit fully. The CDM4 assembly shall be visible, and the Disc Clamp shall be accessible.

Lift the Disc Clamp gently by holding the centre part of the Disc Clamp. Place a disc to the centre of the disc holder. Place the Disc Clamp in the centre of the disc and disc holder.

The Disc Clamp is magnetic, once it is in position with the centre of the CDM4 spinner, you should feel the grip. Please note that the Disc Clamp must be in the correct position for the CDT to be operational.

Slide the top loading lid towards the front of the unit fully. You should hear a "click" sound at the end of the slide. The "click" sound signify the door limit switch is triggered. The limit switch must be triggered for the CDT to be operational.

- **Playback**

Turn on the rear power switch. After about 5 seconds of spinning the disc, the CDT automatically enters power-on state, and the OLED display flashes "READ" indicating that the disk information is being read.

After the disc information is correctly retrieved, the disc information's will be displayed. For example, "18 84:18". At this point, the CDT is in normal operation.

Hit the Play button on the front panel to start playing the tracks.

- **Change Disc**

It is recommended to stop playing the current disc before changing the disc. This allow the CDM4 mechanism motor to stop spinning gradually. Press Stop button on the front panel to stop playing the current disc.

Slide the top loading lid towards the rear of the unit fully. Retrieve the Disc Clamp and Disc gently. Follow the same steps stated in Disc Loading above.

REMOTE CONTROL UNIT

The CDT2-MK2 comes with a milled solid aluminium Remote Control Unit. It is a generic Remote Control equipped for all CDT/CDP products; hence, it is not all the buttons are functional with the CDT2-MK2.
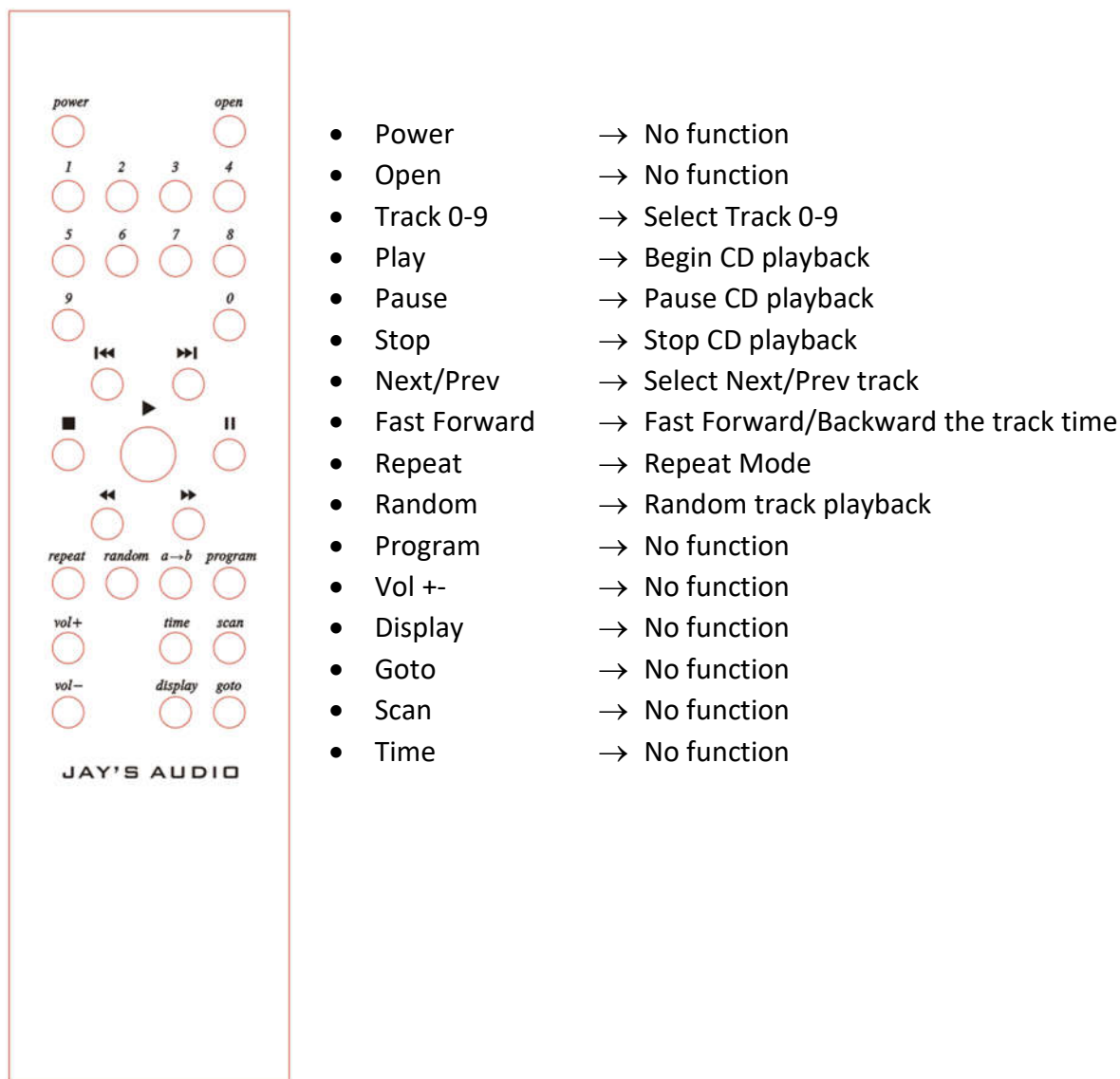
- Power → No function
- Open → No function
- Track 0-9 → Select Track 0-9
- Play → Begin CD playback
- Pause → Pause CD playback
- Stop → Stop CD playback
- Next/Prev → Select Next/Prev track
- Fast Forward → Fast Forward/Backward the track time
- Repeat → Repeat Mode
- Random → Random track playback
- Program → No function
- Vol +- → No function
- Display → No function
- Goto → No function
- Scan → No function
- Time → No function

Figure 4.   Remote Control Unit

***NOTE**: Due to shipping regulation, the Remote Control was shipped without batteries. Please insert two AAA batteries into the Remote Control battery compartment.*

DESIGN HIGHLIGHT

- PHILIPS CDM4/19 Mechanism
- SCHURTER IEC Inlet
- Improved Noise Filter with 110v/230v switching
- NORATEL Encapsulated Transformers
- Multistage Super Regulator with Japan Nichicon Gold Tune Caps
- CRYSTEK FEMTO Clock
- HDMI I2S LVDS Output
- Scientific Digital Output Isolation Transformer
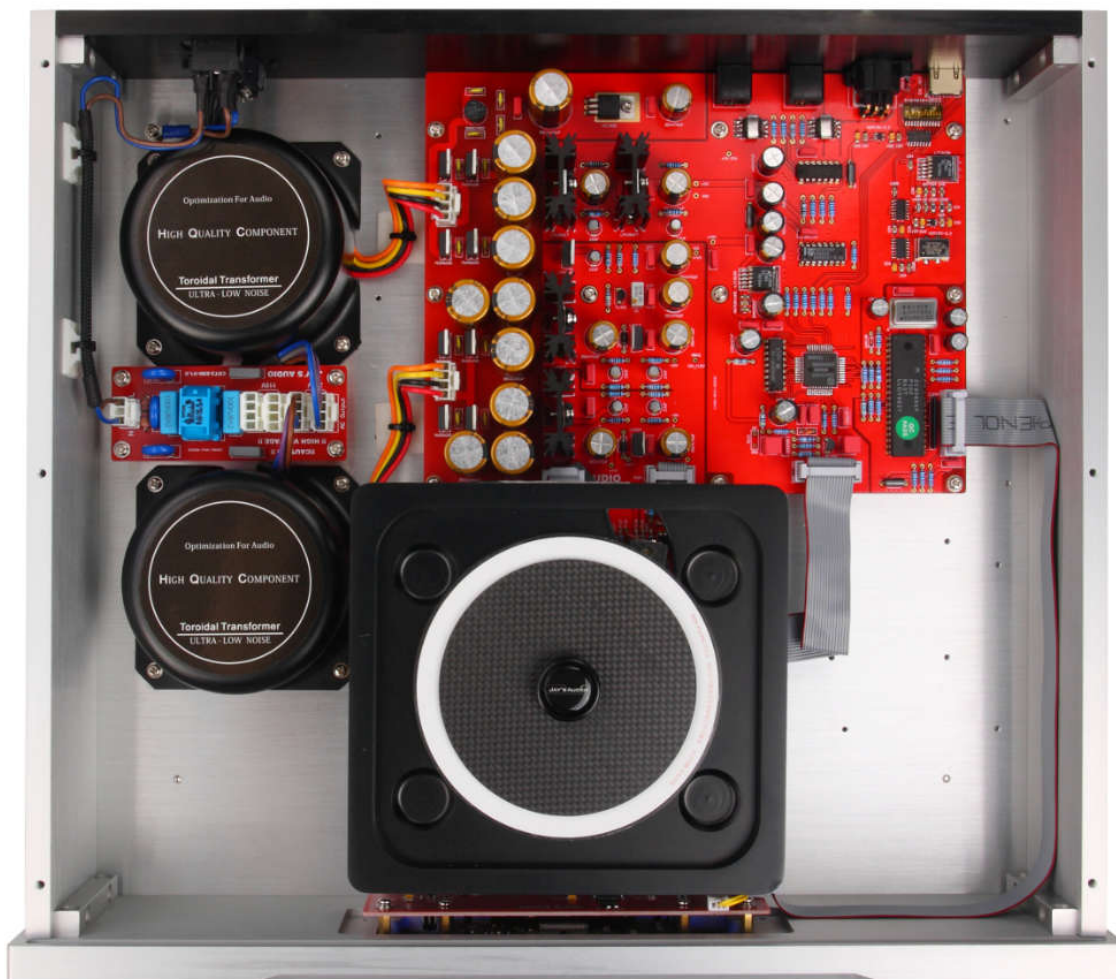- Full CNC Milled Aluminium Chassis

Figure 5.   Internal of CDT2-MK2

* Premium components available exclusively at flagship store only

SPECIFICAITON

- **Digital Output**

  o Output Sampling Rate 16 Bit / 44.1KHz

  o COAX (RCA/BNC) 2Vrms, 75ohm

  o AES/EBU 5Vrms, 110ohm

  o HDMI I2S LVDS

- **AC Power**: 110V/230V

- **Power Consumption**: 20W

- **Dimension:** 430mm x 380mm x 120mm

- **Weight:** 15KG

- **Warranty:** 12 months