Chord Electronics
Product Communication | English
–

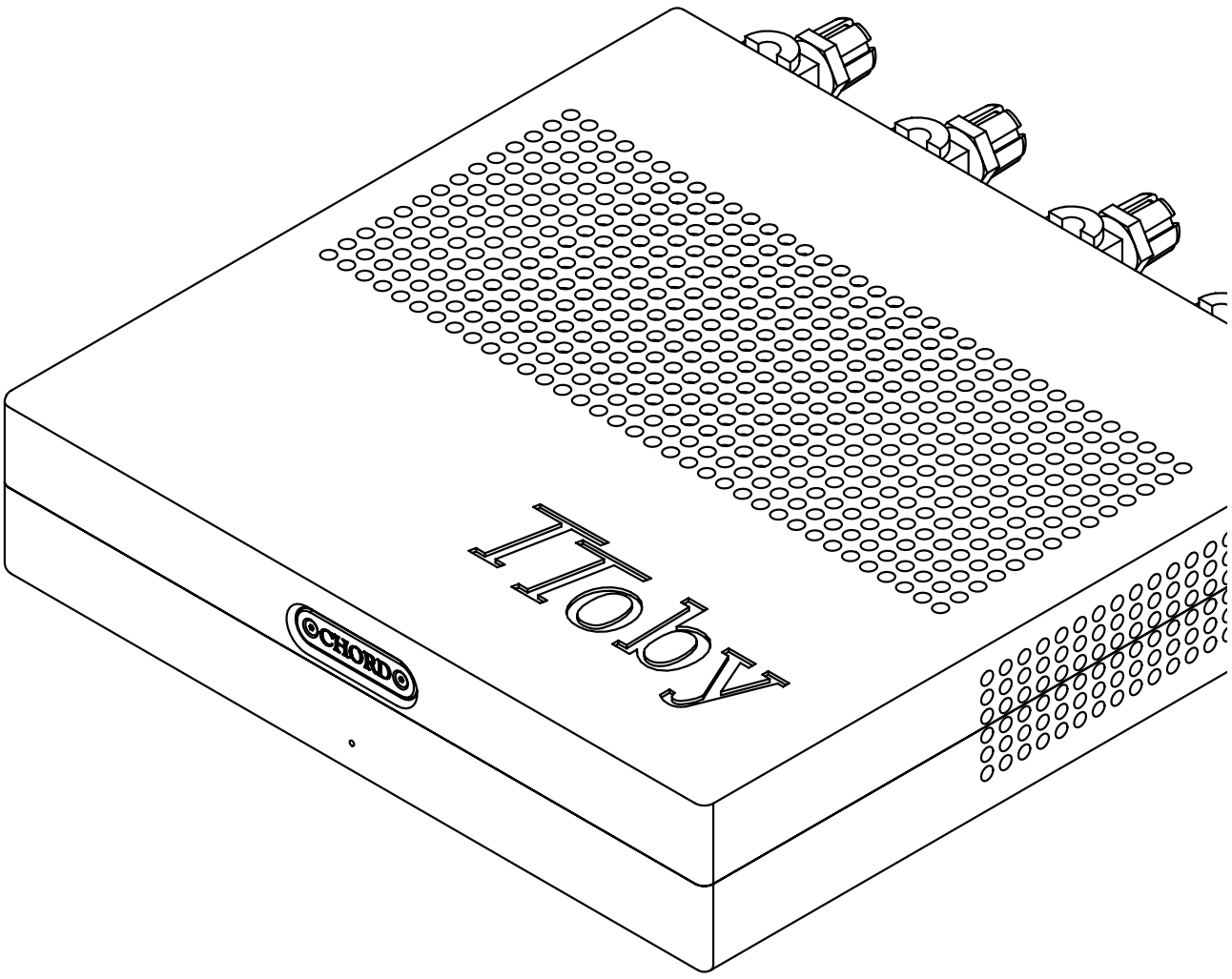
The Pumphouse,
Farleigh Lane,
East Farleigh, Maidstone
ME16 9NB United Kingdom

info@chordelectronics.co.uk
chordelectronics.co.uk

TToby
Manual
-

V.1.0

CHORD
Chord Electronics Ltd.



Made in BRITAIN

Contents 0.0

0.0 Contents

Safety instructions 1.0

1.0 *Safety instructions*

Introduction 1.1

TToby is an incredibly dynamic next-generation power amplifier which uses a brand new analogue amplifier topology, Chord Electronics' first all-new design since its inception.

Before operation, we strongly advise that you read this user manual thoroughly, storing it in a safe place along with your original receipt of purchase, in case you should require assistance in the future.

Made in BRITAIN

Protection against liquids & heat

1.2

The TToby is not protected against liquids of any kind. Never place containers of liquid on TToby. Never allow TToby to come into contact with moisture or liquids; doing so could result in electrocution or damage to the TToby's internal circuitry.

Be aware that liquids, including water that has dried, can leave minerals that can affect the PCB and other components, which could eventually lead to oxidisation and short-circuiting.

If the TToby comes into contact with moisture or liquids, immediately disconnect from the mains power supply, and connected equipment, and contact Chord Electronics for further advice.

The TToby has internal thermal protection which will increase the speed of the cooling fans if excessive temperatures are being reached. Should this occur then check that TToby has adequate ventilation and/or reduce the volume level until TToby has cooled and the fans slowed.

Never operate the TToby near sources of heat or naked flames as this will decrease the lifespan of the internal components. It is advised that you do not operate the TToby in an area of direct sunlight or on top of significant heat- producing devices.

Please be aware that it is entirely normal for the TToby to become warm during use, particularly within a stacked configuration. If you are concerned about the temperatures, please switch the device off and consider a different placement.

Dismantling & radio frequency interference 1.3

There are no user-serviceable components within the TToby or its power supply. Dangerous voltages/currents exist within the TToby and its power supply, posing a severe risk of electrocution and/or fire.

Never attempt to open, dismantle or apply internal third-party devices to it or insert anything other than the listed interconnects or speaker cables within this user manual.

If the TToby develops a fault or the casework becomes damaged, immediately disconnect from the mains power supply and connected equipment and contact Chord Electronics for further advice.

With a thick, solid aluminium chassis, TToby's casework largely protects the sensitive internal circuitry from radio frequency interference. However, for optimal performance, it is recommended that the following points are observed:

1.Consider placing the TToby away from wireless routers.

2.Separate the TToby from amplifiers using toroidal transformers.

3. Operate mobile phones at a distance to avoid interference.

Although the TToby is largely shielded, it can generate radio frequency interference that may have an effect on radio and television reception. If this occurs, please reconsider your placement.

Connecting your equipment 1.4

Before connecting the TToby to any equipment, consult the manufacturer's user guide to confirm compatibility.

When connecting the TToby to any equipment, make sure that all devices are off, including the TToby. Once connected, switch all equipment on starting with the source and ending with the amplification. Initially, operate the TToby with your preamp/ device on its lowest gain setting and lowest volume setting, gently increasing to a comfortable listening level. Never operate the TToby at excessive sound levels; permanent hearing damage and loss can occur.

TToby is supplied with its own grounded 10A-rated mains IEC cable and it is important that the amplifier is earthed at all times via this cable, or an appropriate alternative. Failure to do this could be hazardous in the unlikely event of a fault. TToby employs an auto-sensing mains input voltage circuit and will adjust to suit your region's supply; TToby will operate between 120V AC and 240V AC -50Hz - 60Hz. TToby is fully protected in the event of a short circuit or fault and will automatically shut down.

TToby's supplied region-specific 10A mains IEC cable can be supplemented for an alternative power cable, however, please make sure that it has an earth. If any cable becomes damaged you must discontinue use and replace it immediately to avoid the risk of electrocution.

TToby must be permanently connected to a source of power. The included mains lead simply plugs into the TToby's IEC mains socket. If the mains lead is prematurely disconnected TToby may still remain active for up to 15 minutes.

WARNING: Never disconnect the power cable during operation. Only disconnect when TToby is off. If the power cable is disconnected during operation there is a risk of damage to connected equipment.

Warranty 2.0

2.0 *Warranty*

Warranty period & registering your purchase 2.1

At point of sale, Chord Electronics Ltd. provides the TToby with a comprehensive five-year warranty* which covers defects in materials and workmanship through fair wear and tear.

*The warranty is transferable with proof of purchase, however is not available on ex-demonstration products.

Please use the form below to record the details of your purchase in the event that these are required at a later date, we further advise that all purchases are registered with Chord Electronics at: chordelectronics.co.uk/register-product/

RETAILER:	
PURCHASE PRICE:	
UNIT COLOUR:	
DATE OF PURCHASE:	
TRANSACTION ID:	

Making a claim & warranty exclusions 2.2

In the unlikely event of a claim, you must provide Chord Electronics with the details of the claim, including your original proof of purchase and serial number in order to validate the nature of the repair.

Upon receipt, Chord Electronics will make an assessment within 30 days and provide a reasonable solution.

All warranty repairs must be carried out by Chord Electronics or an approved service centre to guarantee the quality and safety of the repair.

WARRANTY EXCLUSIONS: The warranty does not cover connected equipment, personal injury or development natural patina of the metalwork and will be null and void if the following is applied: wilful neglect; modification or tampering of the product; improper use of the product; acts of God; damage caused by a connected device; mechanical shock; fire or application of excessive heat or repair/modification by a non-authorised third-party vendor.

Getting to know TToby **3.0**

3.0 *Getting to know TToby*

Getting to know TToby 3.1

TToby is an incredibly dynamic next-generation power amplifier which uses a brand new analogue amplifier topology, Chord Electronics' first all-new design since its inception. Before operation, we strongly advise you read this user manual thoroughly, storing it in a safe place along with your original receipt of purchase, should you require assistance in the future.

The front panel 3.2

TToby has no user-controlled buttons on the front panel and simply features an LED for the status of TToby.

WARNING: You must keep all vents clear.

The top panel 3.3

Similar to the front panel, the top panel of the device also has no user-controlled buttons and simply features a ventilation system integrated into the casework.

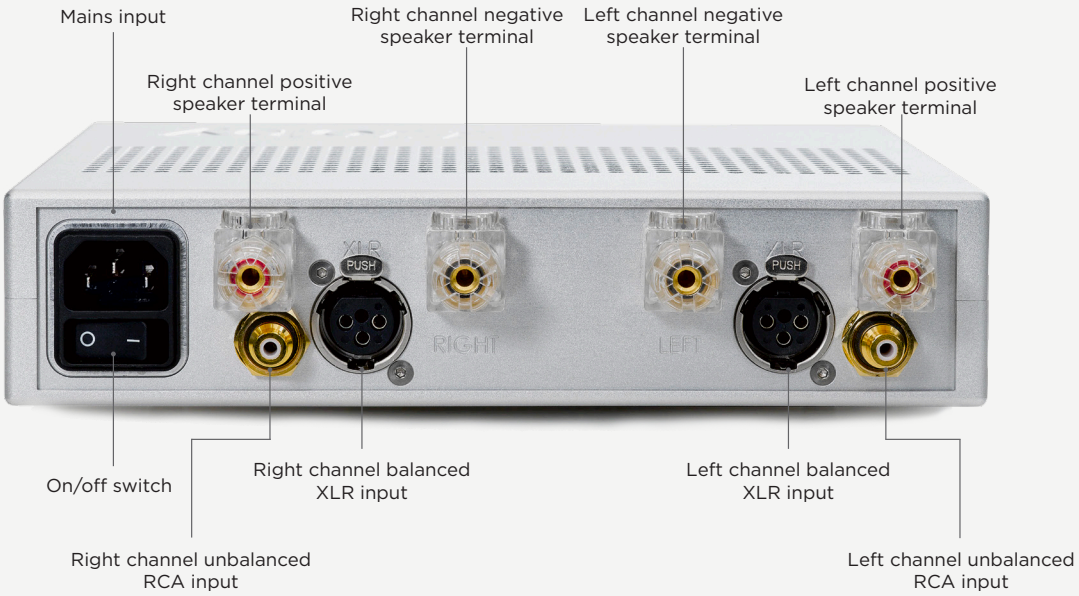
⚠ **WARNING:** You must keep all vents clear.

The rear panel 3.4

The rear panel offers a comprehensive connectivity suite, featuring both balanced and unbalanced inputs for connection to preamps and audiophile-grade 30-amp loudspeaker binding terminals, suitable for use with banana- and spade-type speaker plugs.

The rear panel also features the IEC mains input for use with the supplied power cable, an on/off single analogue rocker switch and a phase toggle switch for each channel.

WARNING: You must keep all vents clear.



Setting up TToby **4.0**

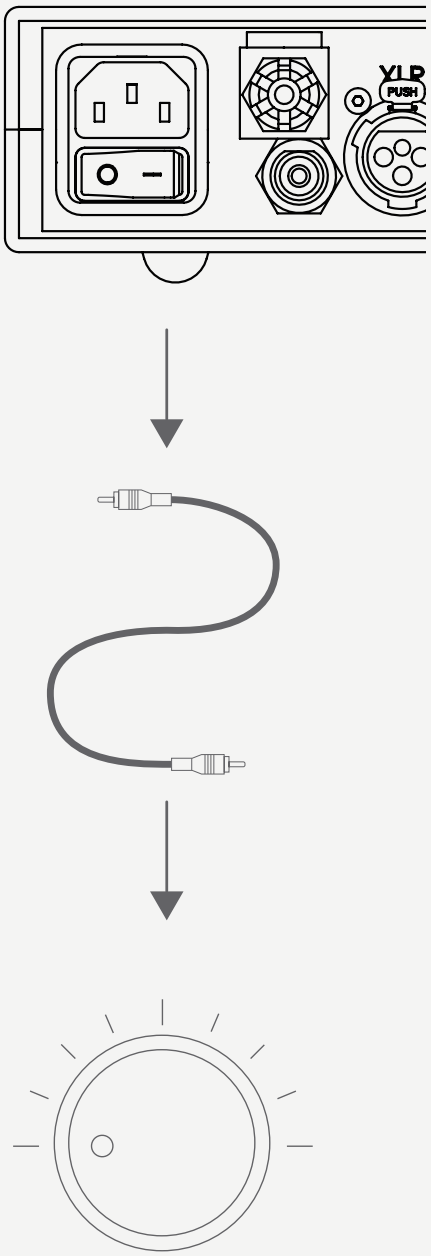
4.0 *Setting up TToby*

Placement 4.1

Whilst TToby will operate normally within a stack of other Chord Electronics Tabletop components, it is recommended that the device is allowed to 'breathe' with 10cm of space around it to convection-cool during operation.

Connecting TToby to ancillary equipment 4.2

When connecting the TToby to equipment within the signal path, ensure all devices are switched off. It is recommended that once all equipment is properly connected, that the volume setting is operated to its lowest setting, before slowly being raised to a comfortable listening level. Always observe partnering manufacturers' guidelines.



Line level inputs 4.3

TToby is equipped with a stereo pair of unbalanced (single-ended) RCA inputs and a stereo pair of balanced XLR inputs. TToby has no ability to switch between the inputs, therefore, only one must be used. Connect the left and right line input channels on TToby with the corresponding line outputs on your preamp or device and double-check.

WARNING: TToby must be connected to a dedicated preamplifier, or a device capable of attenuating its output. Failure to attenuate the volume before it enters TToby could result in irreversible hearing damage, speaker damage and could void the warranty.

Right channel balanced XLR input

Left channel balanced XLR input

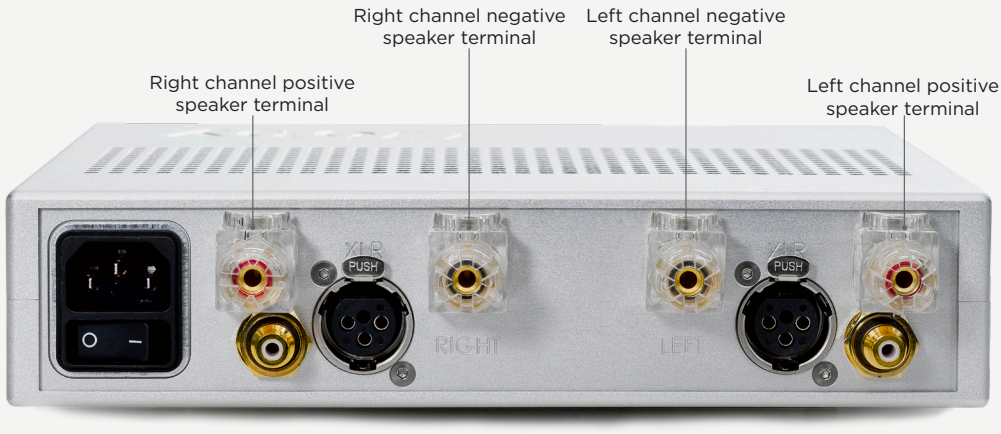
Right channel unbalanced RCA input

Left channel unbalanced RCA input

Audio outputs 4.4

TToby supports a single stereo output. In order to connect TToby to loudspeakers, use high-quality loudspeaker cable terminated with 4mm banana plugs or 6mm spades. Bare wire can be used, but it is not recommended.

Connect the black (negative) terminal from TToby to the negative terminal on your loudspeaker and the red (positive) terminal from TToby to the red positive terminal on your loudspeaker. Repeat for each channel.



Power-on sequence 4.5

With the unit connected to a mains power supply, switch TToby ‘on’ using the analogue rocker switch located next to the mains input. This will switch the unit both on and off. During the initial start-up phase, TToby will power-up and perform a safety check.

Once complete (after approximately twelve seconds), the relays will engage and the output will be live, with the front LEDs glowing green.

If a fault is detected the unit will simply switch itself off. As TToby consumes very little power when idle, we recommend leaving the unit switched ‘on’ when not in use.

Earthing issues in Europe 4.6

In some European countries, a hum or buzz may occur if the amplifier is connected to mains sockets that do not have an earth or adequate earth. If this occurs, please ensure that your equipment is connected via a good-quality multi-way mains block which contains an earth point at every socket outlet.

We recommend that an earthing method for your building is implemented.

CHORD

Chord Electronics Ltd.