

OWNER'S MANUAL

ArtoAmp 150



ARTORA

Introduction

Congratulations on your new ArtoAmp 150. We think you have made an excellent choice!

All ARTORA products are designed, engineered and manufactured in Denmark and thoroughly tested before shipment in order to provide you with the best in musical satisfaction and lasting value. We have gone to every length to assure that this amplifier will work with very little previous knowledge of the product so that everybody will be able to enjoy its musicality right away.

Nonetheless we recommend that you read these instructions carefully, as there are elements that should be acknowledged before you start using your new ArtoAmp 150.

Unpacking

Carefully lift the ArtoAmp 150 out of the box and make sure not to scratch the surfaces. Please save the packaging in a dry place for future use. Your ArtoAmp 150 is a delicate precision electronic instrument and should always be properly packed before transportation. Because of its weight and fine surface finish it is highly probable that the surface will be damaged if not shipped in its original custom-made packaging.

GENERAL SAFETY PRECAUTIONS

Read instructions

All the safety and operating instructions should be read carefully before the unit is operated.

Retain instructions

The safety and operating instructions should be retained for future reference.

Heed warnings

All warnings on the equipment and in the operating instructions should be adhered to.

Water and moisture

The unit should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry machine, in a wet basement or near a swimming pool etc.

Heat

The unit should be situated away from heat sources such as radiators, heat registers, stoves, direct sunlight or other components that produce heat.

Ventilation

The unit should be situated so that its location or position does not interfere with its proper ventilation. For example, the unit should not be situated on a bed, sofa, rug, carpet, or similar surface that may block the ventilation openings, or placed in a built-in installation such as a bookcase or closed cabinet that may impede the flow of air through the ventilation openings.

Object and liquid entry

Care should be taken so that objects do not fall, and liquids are not spilt into the enclosure openings.

Non-use periods

The power cord of the equipment should be unplugged from the outlet when left unused for a longer period of time – for instance through a vacation period.

Service and repairs

All service and repair work must be performed by a qualified technician, authorised by ARTORA. The warranty is void, if the unit has been modified or tampered with.

INSTALLATION and OPERATION

Installation

It is always good practice to do all connecting or disconnecting with the power switched off. This will prevent unpleasant and loud noises coming from the loudspeakers and avoid the risk of damage to the equipment.

Rear panel

The rear panel of the ArtoAmp 150 has an input socket for the mains cable and inputs and outputs for analog signals plus a socket for a Bluetooth antenna. Mount the antenna before attempting to use the Bluetooth facility. The ArtoAmp 150 has three sets of RCA L/R Line Inputs designated Line 1, Line 2 and Line 3. Connect CD player and other line sources to these inputs.

Power cord

The separate power cord supplied connects to the 2-pin power socket on the back of the rear panel. Make all connections before fitting the mains power cord.

ON/OFF

Press the ON/OFF button on the back of the ArtoAmp 150 to power it up.

Standby

You will notice that the ARTORA products do not have a standby function. This is because we constantly strive to make our products as environment-friendly as possible; and the best way to save on electricity is to turn off the unit when not in use.

A lot of audio products require a long warm up period in order to perform their best. This is not the case with ARTORA, since all of our products have been designed using the latest digital technology – and they all sound great, even when just turned on.

Mains Voltage

The ArtoAmp 150 is factory set for a specific voltage and will only work with that voltage ($\pm 10\%$). The correct AC mains voltage

is printed on the label situated at the bottom of the unit.

Make sure your AC mains voltage is correct before connecting the unit.

Three versions of the ArtoAmp 150 are available:

100V 50/60Hz, 120V 50/60Hz and 230V 50/60Hz.

In case you move to a country that has a different AC supply voltage, contact your ARTORA dealer, or the authorized distributor, for a professional conversion to the new supply voltage.

Loudspeakers

The rear panel of the ArtoAmp 150 has one pair of banana output sockets on either side. Please make sure not to short the wires when you connect your loudspeakers. For sonic reasons the ArtoAmp 150 has no protection against short circuits.

Subwoofers

The ArtoAmp 150 has two RCA output connectors L/R for 'SUB OUT'. These are only to be used for connecting active subwoofers, as the signal is volume regulated - known as a pre-out signal.

Cables

Use the best available speaker wires and interconnect cables. We cannot emphasize this enough. As better components and systems are

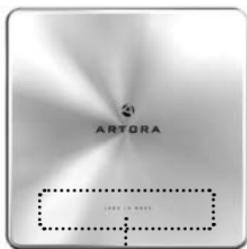
developed, it becomes increasingly important to avoid the limitations of inferior system interconnections.

‘LESS IS MORE’

The ArtoAmp 150 has three hidden switches incorporated in the words ‘LESS IS MORE’ on top of the cabinet. These three switches/words control all basic functions of the ArtoAmp. You’ll get familiar with the various commands after just a few minutes. All functions can also be accessed via the optional ArtoRemote (please refer to the section about the ArtoRemote).

General

Any touching of ‘LESS’, ‘IS’ or ‘MORE’ will cause the display to light up immediately in order to let you know that the command has been received. After three seconds of having been left idle the display will go back to the chosen light intensity. As a general rule the unit is set to control the volume output of the system. Simply press ‘LESS’ or ‘MORE’ to adjust the volume down or up, respectively. The words ‘LESS and MORE’ can also be used to toggle between the different input channels.



LESS IS MORE

Section view

Input select

Press 'IS' once – then 'LESS'
or 'MORE' to move forward or
backward between inputs.

Volume Up

Press 'MORE'

Volume Down

Press 'LESS'

Display

The Dot-Matrix LEDs serve as display for 'VOLUME' or 'LINE INPUT'.

Any touching of the buttons will immediately activate the display.

As a rule all display readouts will be dimmed to the chosen light setting three seconds after the last command.

Dimmer

The display in the ArtoAmp 150 has three different light settings:

High, low and shut off.

Use the ArtoRemote to select which setting you prefer (please refer to section about the ArtoRemote).

Bluetooth

How to set up your Bluetooth devices

In order to play your music wirelessly from your Bluetooth devices to the ArtoAmp you need to first pair them to the Bluetooth module in the ArtoAmp. This is very easy and shouldn't take more than a couple of minutes.

From iPod/iPhone

Make sure the line input on the ArtoAmp is set to 'BT'.

Insert the small dongle designated 'ArtoAir' into the bottom of your iPod or iPhone.

The ArtoAir will automatically connect itself to the ArtoAmp. Please be aware that the first time you try this it will take a few moments as the two devices are pairing. After the two devices have been successfully paired, all you need to do is to insert the ArtoAir into your iPod/iPhone and switch the line input to BT.

From mobile phone

Make sure the line input on the ArtoAmp is set to 'BT'.

Activate Bluetooth on your mobile phone and set up the ArtoAmp like you would a Bluetooth headset. The ArtoAmp will show itself as 'ARTORA' when your mobile phone is "looking" for it.

If asked for a code, press '0000'.

Please be aware that the ArtoAmp will take a few moments to connect to your mobile phone the first time.

When the ArtoAmp and the mobile phone have been paired you can play wirelessly at anytime in the future without having to pair the devices again.

From computer

Make sure the line input on the ArtoAmp is set to 'BT'.

Activate Bluetooth on your computer and set up the ArtoAmp like you would a Bluetooth headset. The ArtoAmp will show itself as 'ARTORA' when your computer is "looking" for it.

If asked for a code, press '0000'.

Please be aware that the ArtoAmp will take a few moments to connect to your computer the first time.

When the ArtoAmp and the computer have been paired you can play wirelessly at anytime in the future without having to pair the devices again.

Changing between Bluetooth Devices

You can easily switch between playing on two different Bluetooth devices.

Since the Bluetooth module in the ArtoAmp can only receive one signal at a time, you have to disconnect one device from the ArtoAmp before you can play from another. As a given example you have to remove the ArtoAir from your iPod/iPhone before you can play music from you computer – or conversely disconnect the Bluetooth connection from your computer before you can use the ArtoAir.

Notice

The Bluetooth module in the ArtoAmp allows up to 16 different devices to be paired, which means that you can connect multiple devices, e.g. all the mobile phones in the family as well as various computers, MP3 players etc.

Once you have paired a total of 16 devices, every new device added will take the place of the former last device.

Recommendations

Allow your new ArtoAmp 150 a reasonable break-in period. Although it delivers outstanding performance straight out of the box, you should expect to hear sonic improvements, as the electronic components are broken in. This may take several days, even weeks, but the performance will be quite constant afterwards.

To maintain the visual appearance of your ArtoAmp 150, occasionally wipe the cabinet surfaces with a soft damp (not wet) piece of cloth to remove dust. A mild, non-alkaline soap solution may be used to remove fingerprints or similar smudges.

Cleaners containing abrasives should NOT be used, as they will damage the finish of the cabinet.

The user should NOT attempt to service the ArtoAmp 150 beyond that

described in the operating instructions. All other servicing should be referred to authorized service personnel.

ArtoRemote remote-control (optional)

Controls both ArtoPlayer 1000 and ArtoAmp 150

PLAY: Press  in order to play a disc from the first track.

PAUSE: Press  once during play to pause the disc. Press  again to resume playback.

STOP: Press  for more than one second to stop the disc.

NEXT/FAST FORWARD: Press  to skip to the next track. Keep pressing this button for more than one second to start 'FAST FORWARD'.

PREVIOUS/FAST BACKWARDS: Press  to return to the previous track. Keep pressing  for more than one second to start 'FAST BACKWARDS'.

REPEAT: Press  and  simultaneously in order to repeat the entire disc. Press both buttons again to turn off repeat mode.

DIMMER: Press  to adjust the intensity of the light in the display.

VOLUME UP: Press  to turn up the volume.

VOLUME DOWN: Press  to turn down the volume.

EJECT: Press  once to eject the CD.

INPUT SELECT: Press the  in the bottom of the remote to toggle between the different line- and Bluetooth inputs.

GENERAL

Receiver

A receiver behind the three small holes in the top right corner of the front panel of the ArtoAmp 150 receives infrared commands transmitted from the remote control.

For reliable operation of the remote control, it is important that there is a clear line of sight between the handset and the ArtoAmp 150.

Display & Dimmer

Any touching of the remote control buttons will cause the ArtoAmp display to be immediately lit in order to let you know that the command has been received.

As a rule all display readouts will be dimmed to the chosen level three seconds after the last command.

The light intensity of the display can be adjusted to high, low or shut off.

Batteries

We have designed the ArtoRemote to be as clean and minimalist as possible. For this reason you have to remove the entire back-panel of the remote control in order to change the batteries. Unscrew the four

little screws and carefully change the batteries before re-attaching the back-panel. When inserting the new batteries make sure that + on the battery is aligned with + on the battery holder.

Be careful not to touch the other components in the remote control, when changing the batteries.

The batteries (Button Cells, CR 2430) used in the ArtoRemote are available from photo shops and supermarkets.

WARRANTY

Limited warranty

ARTORA warrants the product designated herein to be free of manufacturing defects in material and workmanship, subject to the conditions hereinafter set forth, for a period of two (2) years from the date of purchase by the original purchaser.

ARTORA has authorized distribution in many countries worldwide. In each country or territory, the authorized importing distributor has accepted the responsibility for warranty of products sold by that distributor or his authorized ARTORA dealers. Warranty service should normally be obtained from the importing distributor or from the dealer from whom you purchased your product.

In the unlikely event of service required beyond the capability of the importer, ARTORA will fulfill the conditions of the warranty. Such product must be returned to ARTORA together with a copy of the bill of sale for that product, a detailed description of the problem, and such information necessary for return shipment.

Conditions and repair

This warranty is subject to the following conditions and limitations. The warranty is void and inapplicable if the product has been used or handled other than in accordance with the instructions in the owner's manual, abused, misused or damaged by accident, neglect or while being transported, or the defect is due to the product being repaired or tampered with by anyone other than ARTORA or an authorized ARTORA repair centre. The customer must pack the product properly, using the original shipping carton, and return it to ARTORA or an authorized ARTORA repair centre. Before shipping a defective product, a return authorisation must be obtained from ARTORA.

A written description of the defect and a photocopy of the original purchase receipt must accompany a returned product.

This receipt must clearly list model and serial number, the date of purchase, the name and address of the purchaser and authorized dealer and the price paid by the purchaser.

If these terms are not fulfilled, ARTORA will not cover the repair costs.

Miscellaneous

Any implied warranties relating to the above product shall be limited to the duration of this warranty. The warranty does not extend to any incidental or consequential costs or damages to the purchaser.

Notice

ARTORA reserves the right to modify the design of any product without obligation to purchasers of previously manufactured products and to change the price and specifications of any product without notice or obligation to any person.

SPECIFICATIONS

ArtoAmp 150

2 channel integrated amplifier

3 pairs of analog inputs via RCA

Up to 16 Channels of Bluetooth input

L/R outputs for active subwoofer(s)

2 loudspeaker outputs via banana sockets

Power bandwidth: 10 Hz – 43 kHz

Total Harmonic Distortion (THD): Better than 0.1 %

Signal to noise ratio: 95dB

Input sensitivity: >1Vrms

Input impedance: 10k Ω

Output power: 75Wrms / 8ohm

150Wrms / 4ohm

Output impedance: 0.02 ohm @ f > 1 kHz

Current limit: 10A

Mains Power: 100V or 120 V 230V , 50Hz

Power consumption at Idle: 20 watt

Max power: 230 watt

Dimensions (WxDxH): 2x12x2 inches 31x31x6cm

Weight (Net): 7 kg (15.4 lbs)

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