

ONIK

# DNA-50

User Manual





# WARNING

## SAFETY ANNOUNCEMENT

This product mains supply is 120V-240V dependent on country. This is clearly marked on the back. Only appropriate voltage must be used. Supplied with certified cable for country of its intended use. The product is suitably fused inside and/or in its connection lead. The product must not be subject to ingress of water, or used in a damp or wet location. It is intended for use by people of a suitable age to understand the amounts of electrical current and electricity. Incorrect use will not result in satisfactory performance and may lead to danger of life. If this product appears damaged in any way, does not have its top cover or component parts attached, or is incomplete in any way - it must not be used. All sockets are for their intended use only. If anything is inserted into any socket that is not designed to be inserted into that socket, the resulting effect can lead to danger of life. If you are unsure of the products use, connectivity systems or appropriate voltage ratings - do not use and seek professional advice.



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England

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# Introduction



*“Built by people that know how,  
for those that know why”*

## **Welcome to your DNA-50**

ONIX has been a company producing quality sound through various products for over 30 years now. The release of this product has undergone extensive research and development so that an idea could become a reality. This product carries the same DNA from every ONIX unit ever to be made since 1984 and now 30 years on we are back with another standout amplifier.

The DNA-50 is the sleekest designed amplifier yet to be released by ONIX and now that you’ve opened the box we hope you think so too. An amplifier of this quality takes years to perfect and this year we are proud to announce that we have done it.

Your welcome manual has been presented to you on a 64GB USB stick which is then available for you to use as you wish once you have read through your paper-less booklet.

We hope you can enjoy the sound of a quality British amplifier from ONIX once more.

*We made a choice, so you can too.*

## In the box



DNA-50



Remote



Mains Lead

User Manual

# Connections

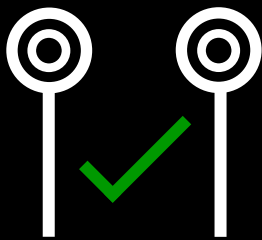
It is important to follow the order given below when setting up your DNA-50 to avoid any electrical problems or damage to external products. So we advise you follow the 3 quick, easy steps.

## ① Speakers

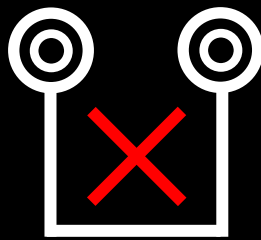
As you will see, on the back of the DNA-50 there are 4 speakers connection sockets that are shown below:



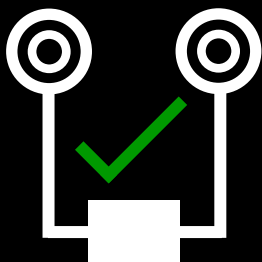
Your speaker cables will most likely have the same coloured ends so the first step is simply to match your coloured speaker cables with the speaker socket colours on the back of the amplifier which have been clearly marked Left and Right.



**OPEN**



**DO NOT SHORT**



**SPEAKER**

It is essential not to short the speaker cables as the amplifier will suffer and consequently require service. The two diagrams on the left show you how to either plug the speaker cables straight into your speakers or if not, leave them apart so they do not touch.

# Connections

## ② Inputs

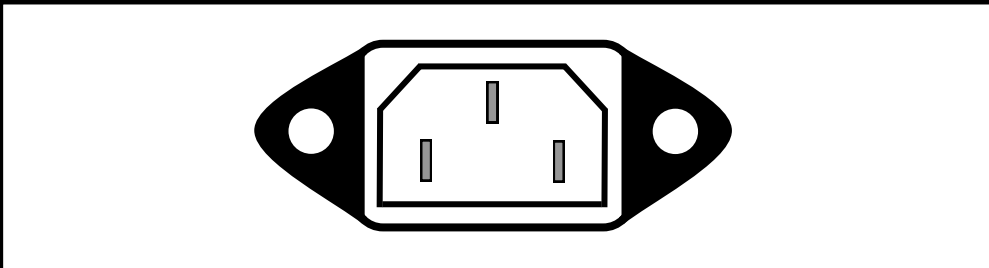
Your input selections across the back of the amplifier, will look as shown below:



Each of the letters along the top represent a colour, and this corresponds with the LED's along the front of the unit. So from left to right you have: **Orange**, **Green**, White, **Red**, **Yellow** and **Blue**. 'DSC/BDA' is your input for a Turntable (Record Player) should you own one and wish to use it with your amplifier. 'I/P' stands for Input, and you have five of these that can be used with any other products that you might choose to connect.

## ③ Mains

Finally you can now plug in the mains lead supplied with the DNA-50 into the socket that looks like the one in the diagram below. Make sure you **do not** turn the power on before plugging the lead into the amplifier as this could cause a risk of electrical shock.



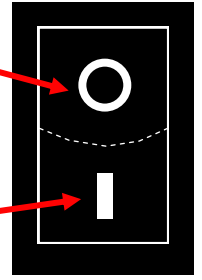
Ensure that you fully insert the mains cable into the socket before turning on as a loose connection could cause safety issues as well as performance ones.

# Launch

It is now time for you to turn on your DNA-50 for the first time. Now that you have your mains lead connected to the amplifier and a plug socket, you can locate this switch on the back of your amplifier and switch it on.

Power Off

Power On



It is highly recommended that the amplifier is left switched on at all times, as it will sound better after two hours plus of being left on.



You will notice that the Volume Control dial on the left has a smaller hole located on it that has now illuminated a dim green. This means that your DNA-50 is powered and operational, but in Standby mode.



Simply turn the source selection knob clockwise or anticlockwise once and the green LED will brighten, indicating your amplifier is now out of Standby mode and ready for your choice of input.



Volume Control

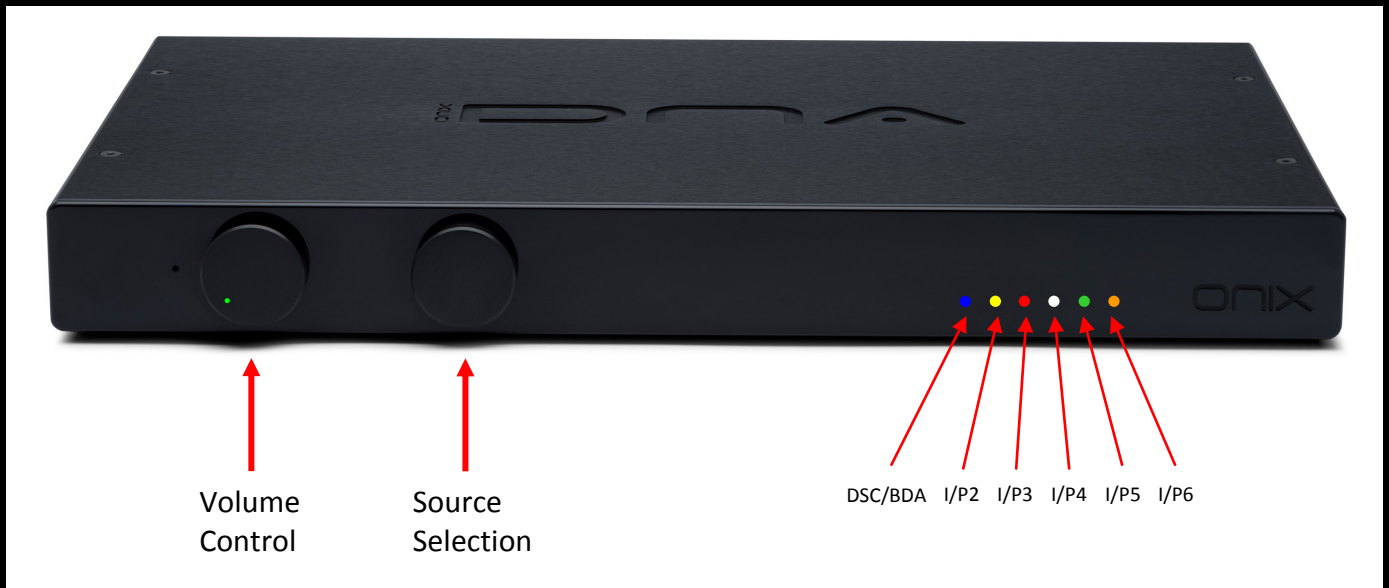
Source Selection

Input Indication

Further to this, you will see that one of the 6 LED's pointed out above has illuminated. This is showing you which input is currently active.



# Operation



## Volume Control

This is very simply operated, the small green LED on the volume control dial shows you how loud the amplifier currently is. In the example shown above there is no sound but its maximum volume would be a fully clockwise rotated dial in a locked position.

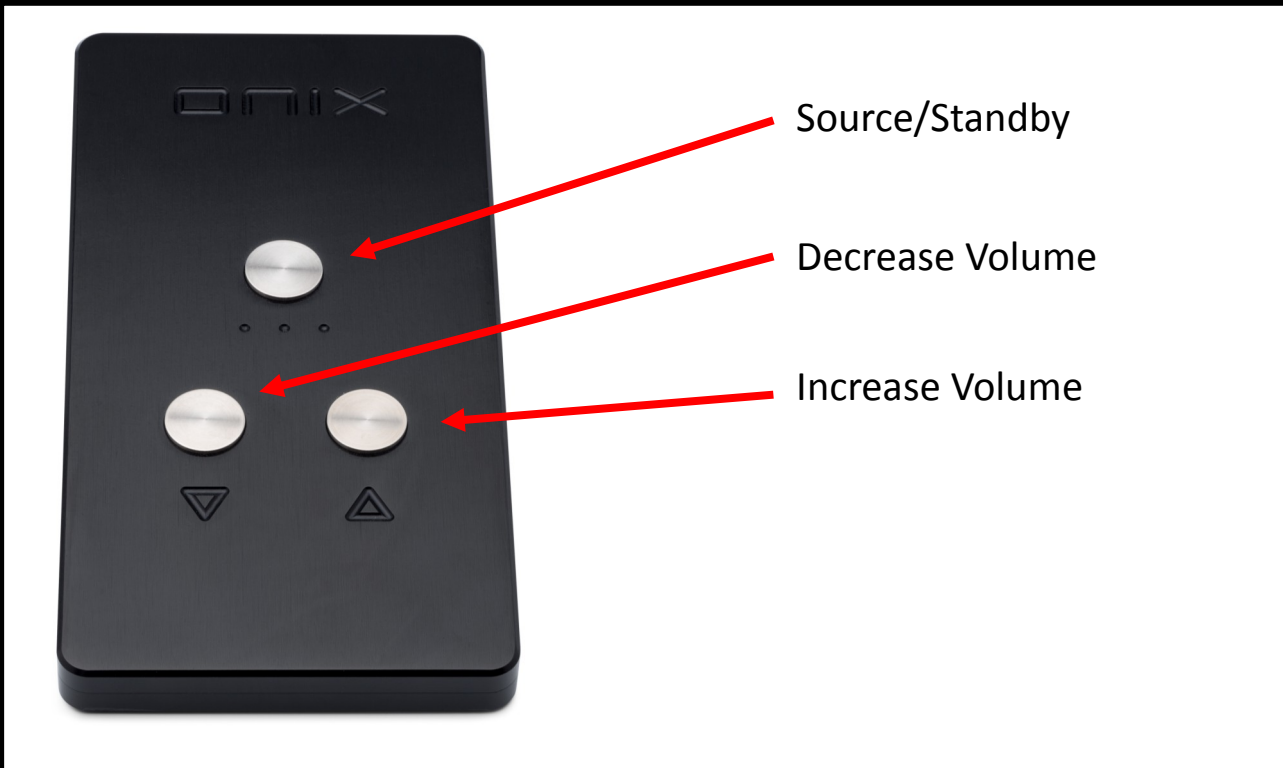
## Source Selection

This dial unlike the Volume Control will not rotate in one continuous motion, this is because it is designed to lock on to each source as you rotate it.

You may notice that there are 6 small LED holes along the front of your unit which have been pointed out in the diagram above. As stated on the Connections Page, these correspond with the inputs on the back so it is very easy to navigate your way through your inputs either with the Source Selection dial or the remote. Only one LED will ever be lit at one time as you can only ever use one input at one time, however for demonstrational purposes we have shown you all the available inputs together. We felt that the use of various colours would not only be visually more interesting, but an efficient way to manage however many inputs you choose to use.

# Remote

Your remote will look as shown below and there are just a couple of very useful things to know about our simple yet extremely well designed remote.



## Source/Standby

This button will allow you to change your source (input) by the click of one button instead of many, making all your inputs available to you by hand.

We have also added in the Standby feature. So by holding this button down for 4 seconds, you will send your DNA-50 into standby. To bring it out of standby, simply press the same button once. There is of course the option to fully turn off your amplifier with the switch on the back, but should you only want to use a standby feature, the remote is the only way of achieving this unless you fully turn off your unit and then turn it back on.

## Volume Controls

As shown in the diagram, operating the volume level is very simple. When either turning up or down the volume you will the volume knob physically turn as the green LED rotates with it.

# Troubleshooting

## ‘There’s a noise from within the case of the amplifier’.

Yes, this can be perfectly normal:

### Why?

We use a traditional toroidal transformer, this is the only way of amplifying music properly. It is tried and tested for decades - it does not create noise on the signal path or through the speakers in a well designed product such as the ONIX DNA range. We are however unique, as most products in your house now use low cost electronics to reduce the AC (Alternating Current) supply voltage to a DC (Direct Current) voltage. These are called switch mode power supplies. They are cheap to make, they are light weight and they are efficient. They are however incredibly noisy for the voltage supplied from them. A good quality design will deal with this noise and you won't hear it. Sadly cheap designs do not deal with this noise and it is passed in the form of DC onto the AC of your internal mains supply, typically your mains connection supplying our amplifier.

Our transformer receives this DC from the connection to the amplifier and although it does not effect the sound or performance of our product, it can be heard as a mechanical noise within the core of our toroidal transformer. It will not damage your product or anything associated with it and it will not shorten the life of the transformer or affect the sound, but occasionally it can be heard through the case. It is not a defect, it is not a fault - it is purely an effect of cheaper and less well designed power supplies within the house or environment you are using our amplifier.

Rarely this slight hum becomes intrusive, if this occurs we recommend purchasing a mains filter to “clean” the AC mains going into the amplifier.

## ***“Technology for music, not for glory”***

It is no secret that this exquisite product took many years to imagine, design, and manufacture. The research and development that has gone into the DNA-50 is remarkable, and that is what makes it a part of the ONIX family. Shortcuts and compromises are non-existent when our work is carried out and we believe that this will be appreciated.

The relationship with our customers is as important to us as designing outstanding products. Therefore should you require any form of assistance, we are human and here.

We hope you enjoy the DNA-50 as much as we do.



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