MiZiK

dPlay Plus

User Manual

Thank you for purchasing the MiZiK dPlay Plus.

Please take some time to read this manual.

Although the dPlay Plus is incredibly intuitive to use, these notes will provide you with useful information when it comes to connecting it up, getting started and operating your new unit making it even easier and quicker to start enjoying the MiZiK's musical performance.

INDEX

The dPlay Plus is an extremely high-quality DAC and digital preamplifier. Equipped with digital inputs and analog outputs, the dPlay Plus employs unique, ground-breaking technology to deliver remarkable musical performance from multiple digital sources – a performance that challenges the very best and most expensive previously available digital to analogue convertors. It's versatile too, delivering that performance inboth existing systems or as the heart of a complete, revolutionary MiZiK system.

By combining its proprietary MusIC decoding technology with source switching and volume control capabilities, the dPlay Plus creates a playback chain is shorter, more accurate and more musical. Internal circuit topology is fully-balanced throughout, with the dedicated MiZiK link providing data transfer and control connectivity with other MiZiK units.

The dPlay Plus accepts inputs from both computer (USB) and hi-fi source equipment (SPDIF or TOSLINK) as well as other MiZiK components (MiZiK Link). It can be connected to any power amplifier through its singled-ended or balanced outputs.

Do not make any connections or switch on the dPlay Plus before reading these instructions and observing all safety warnings.

WARNING!

Observe general electrical safety precautions, particularly with regard to avoiding water, moisture and heat. To reduce the risk of electric shock do not remove the cover and refer servicing to qualified personnel. The installation instructions must be carried out in full and all mentioned precautions taken in order to provide the full measure of musical satisfaction the dPlay Plus is designed to provide and to avoid jeopardizing personal and equipment safety or impairing performance.

Used properly and treated carefully, your MiZiK dPlay Plus will deliver considerable musical performance for many years to come.

Choice of Preamplifier Location
The mechanical construction of the MiZiK dPlay Plus has been especially designed to minimize the microphonic effects of vibration on the audio circuits. It can be placed vertically or horizontally without affecting performance.

The unit is delivered with the vertical stand. If you wish to use it with horizontal orientation then the appropriate (additional) horizontal stand should be used.

WARNING!

This fuse is located on the power cord receptacle and can be accessed by raising the cover using a small screwdriver when the power cord has been removed (ensuring power is disconnected before handling). Use a T2.5A slowblow fuse. Always ensure that the fuse cover is fitted.

Always remember that a plug with bared connectors is dangerous if in contact with a live socket. This appliance must be earthed. Connect the non-rewireable power cord supplied to the back of the power supply and plug it into the nearest wall plug. Use only a three-pin, grounded plug for safety and noise reasons. To get the best sound from thedPlay Plus, avoid multiple plug adaptors or household extension cords.

Take care to always handle the cable by the connectors. Never twist the cable excessively or attempt to connect or disconnect the connector by handling the cable body in place of the connector.

The next stage in setting up your MiZiK dPlay Plus is to connect your sources, power amplifiers and other peripheral devices. All devices should be disconnected from mains power until safe.

S/PDIF Co-Axial Digital Connection

Use the S/PDIF input to connect external digital sources – such as the digital output from a CD player or CD transport – using a 75 Ohm coaxial lead (digital interconnect), fitted with RCA connectors.

Toslink optical digital connection

Use the Optical input to connect any external digital source with a Toslink optical digital output (TV, CD players, games consoles etc).

Connection Priorities

If you have a choice of co-axial or optical connection from your primary source, then normally it is the co-axial option that will deliver the best sound quality and should be used. However, it is worth checking to ensure that this is the case, as output engineering in the source component, cable quality and the accuracy and fit of the connectors can all affect performance.

Ethernet/Network Connection

The dPlay Plus has a built-in Ethernet port. This port will enable many new features that will be released soon. Please visit MiZiK website or ask your dealer for news around this.

Connecting Analogue Outputs

First ensure that the amplifier or integrated amplifier that you are connecting the dPlay Plus to is switched off. The configuration and volume control arrangements will be dictated by the type of amplifier being used: Power Amplifier or Integrated Amplifier.

Power Amplifier - The dPlay Plus is equipped with two sets of analogue outputs, balanced (XLR) and single-ended (RCA). One of these should be connected to your system's power amplifier, using high-quality audio interconnects. Connecting both sets of outputs to two different amplifiers will not damage the dPlay Plus, but will impair sound quality.

With an Integrated Amplifier – If using the dPlay Plus with an integrated amplifier there are a number of possible configurations:

As a DAC – Connect the output of the dPlay Plus to any line input. Set the volume control on the amplifier to minimum and in the dPlay Plus. In Set Up menu, 'DISABLE PREAMP'. Use the volume control on the integrated amplifier to set listening level. Use the source switching on the dPlay Plus to select different digital sources. Use the source switching on the integrated amplifier to select between the dPlay Plus and other analogue sources (radio tuner, record player etc.).

As a preamplifier in a digital source only system – Connect the output of the dPlay Plus to the chosen input of the integrated amplifier. If there is a Power In or Theatre Bypass connection on the amplifier, use this. It will disable the integrated amplifier's volume control.

If there is no **Power In** or **Bypass input**, use any line-level input (CD for example) and set the volume to minimum.

Connections
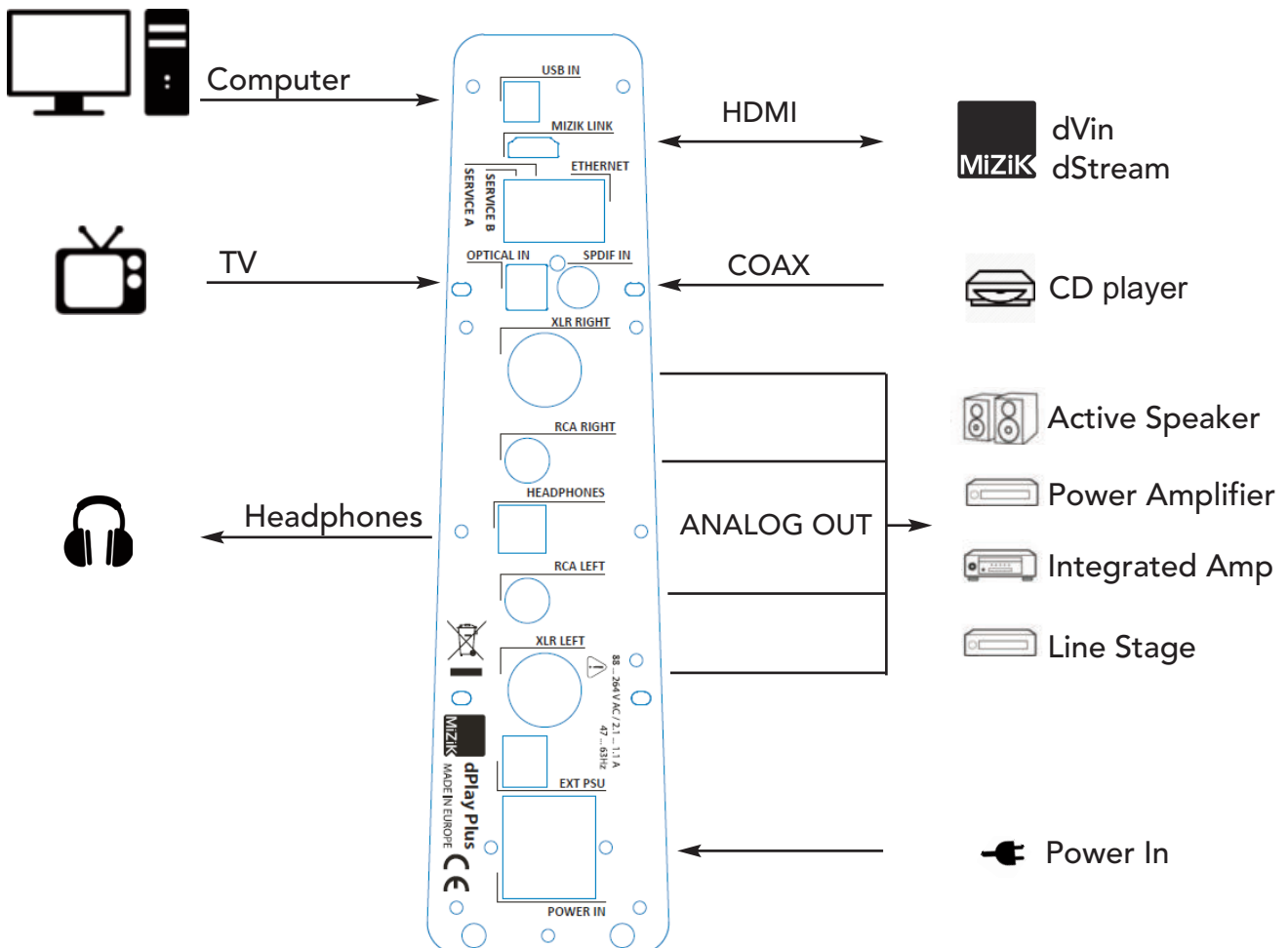
Using the USB input to replay music files from a computer source

In order to replay music files from a computer source, you must first configure the computer's USB output to interface correctly with the dPlay Plus. The process is different for MAC and PC and is laid out below.

We strongly recommend the use of the JRiver media player for superior musical performance. However, basic iTunes operation is also possible.

The quality of USB cable employed will have an audible affect on musical performance. We strongly recommend that you experiment with dedicated computer audio USB cables from specialist audio cable manufacturers in order to achieve maximum performance.

Configuration of USB Input in PC – Windows

Below is the configuration example with JRiver. This is the recommended player for DSD and PCM content.

Connect the PC to the dPlay Plus USB input.
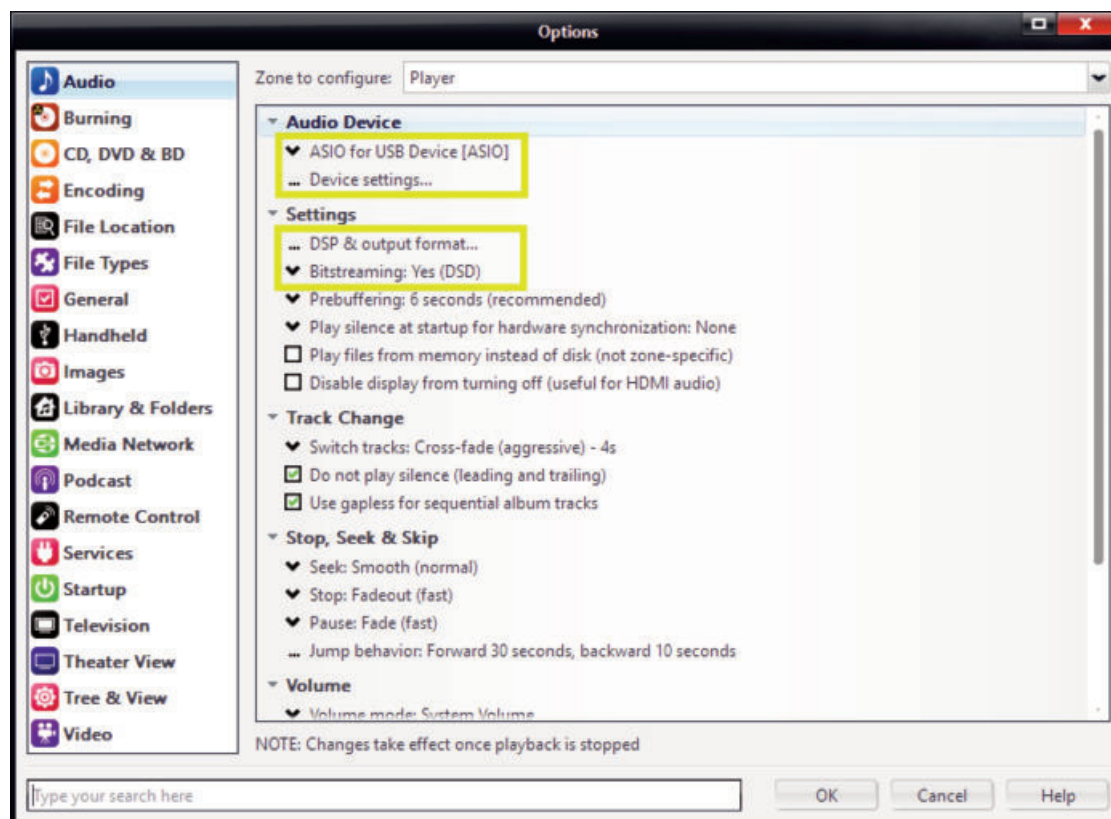
Download and install:
Windows 10: https://drive.google.com/open?id=0B27BuHd4DZGaNGtwS0RDU29SVG8
Windows 7, 8, 8.1:
https://drive.google.com/a/wadax.eu/file/d/0B27BuHd4DZGaaEFNcGFwSEZzN3c/view?usp=sharing

Download and install generic ASIO Proxy:
https://drive.google.com/open?id=0B27BuHd4DZGadlUtanhTc3hfOFE
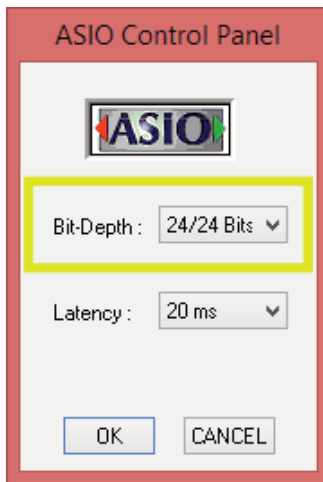
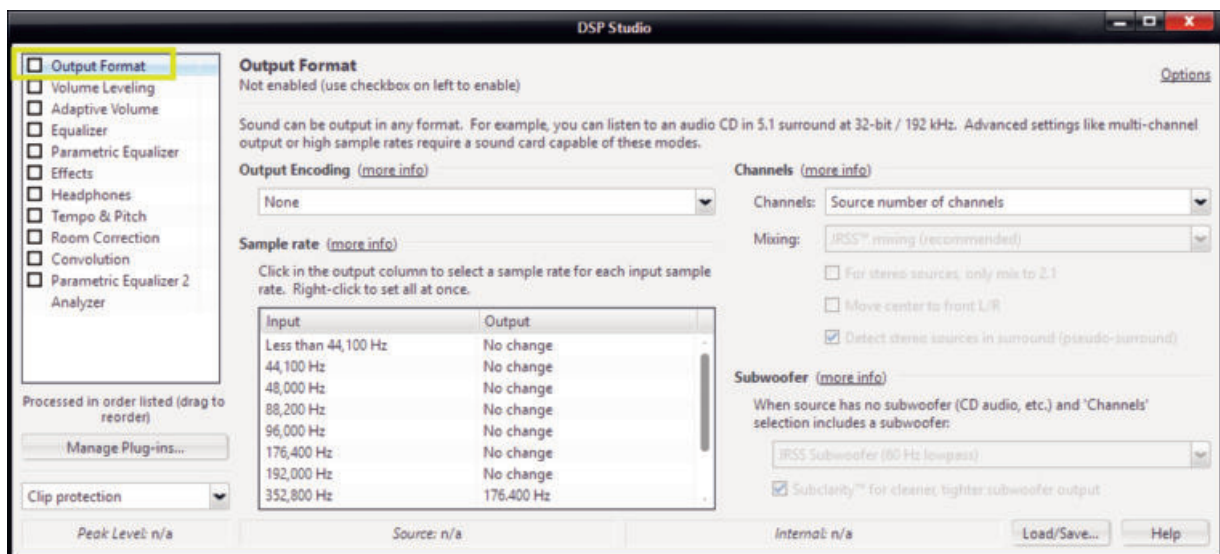In JRiver -> Settings: Choose ASIO for USB Device [ASIO]:

In '..Device Settings..'. Make sure DSD Bitstream in DoP format' is NOT selected.
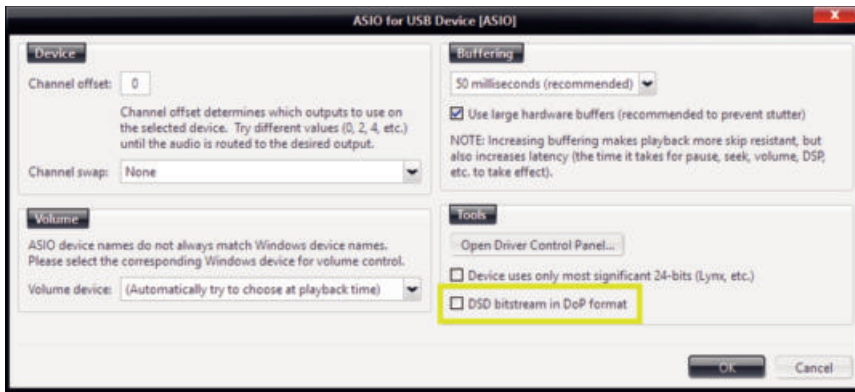
In 'Open Driver Control Panel': select 24/24

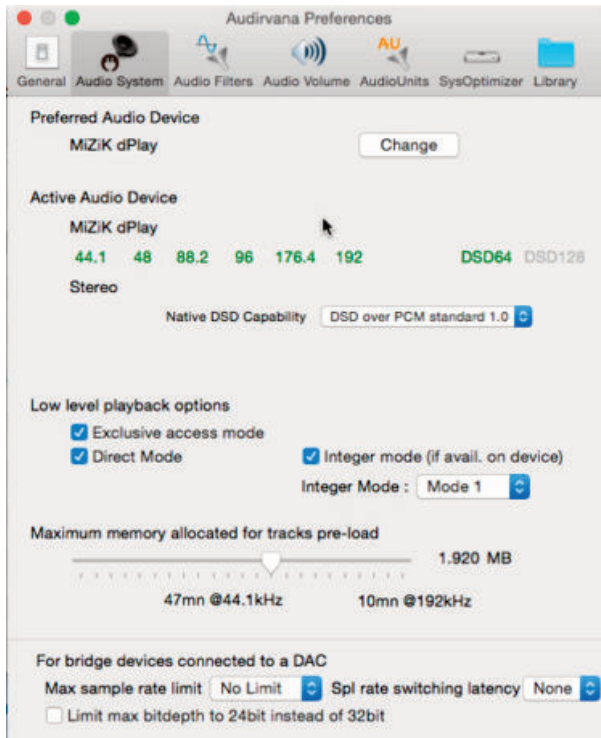In '..DSP and Output Format..' make sure OUTPUT FORMAT is NOT selected.

Configuration of USB input of MAC and DSD

DSD playback is supported under Audirvana Plus. JRiver also provides a good playback experience. Below are the settings for Audirvana Plus.

Download and install:

https://www.dropbox.com/s/n1ymkxwf2m9wwpm/MiZiK_DoP_Install_v1.1.dmg?dl=0

MiZiK dPlay Plus Operation

Now that you have completed all source connections, you can switch on the system. Start with source components, then the dPlay Plus and finally, the amplifier. If you are using the dPlay Plus as a preamplifier in a digital source only system with an integrated amplifier, once you have powered up both the dPlay Plus and the integrated amplifier, select the correct input on the integrated amplifier and slowly advance the amplifier's volume to maximum.

MAIN Display Navigation

Volume: to change the volume, touch the **UP** and **DOWN** arrows. The unit will display **MUTE** when Muted. Maxiumum level is 100.

Source selection: the **UP** and **DOWN** arrows will change between **USB**, **SPDIF**, **TOS-LINK**, **MiZiK Link.**

SETUP icon: Touch the red icon to enter the SETUP menu.

SETUP display navigation

Balance L/R:	Changes Left to Right balance.
Output Level:	Sets maximum output level voltage to 5V, 2V or 1V.
Input Level:	Adjusts input level gain so sources match in level.
Preamp Mode:	Enables or disables internal preamplifier.
Display:	Changes display brightness.
Next button:	
	Set HORIZONTAL, VERTICAL or AUTO display rotation.
	Next button: Displays current firmware version.
Restore default:	Restores factory default settings.
Phase:	Changes output absolute phase NORMAL or INVERTED.

Recommendations:

1. Sonic Effect of Warm Up:
When first powered up the dPlay Plus will take some time to achieve maximum performance. This effect is known as burn-in and is caused by the electrical components forming through operation and achieving optimum temperature. When you first receive your dPlay Plus, it is a good idea to leave your main source playing through it on repeat for several days, with the volume set at or close to minimum. This will speed the burn-in process and audibly improve performance.

If the dPlay has been left switched off for some time, the optimum sound quality may only be restored after 6 to 24 hours. The critical circuits have to warm up to around +55 degrees Celsius (+131 degrees Fahrenheit) before achieving their optimal performance. This is why MiZiK recommends that the dPlay Plus is always left on.

2. Best performance will be achieved from USB sources due to their special treatment and data recovery topology used in the dPlay Plus. The Co-axial S/PDIF input will generally deliver better results than the Toslink optical connection.

3. As already mentioned, cable quality counts. Do experiment with high-quality cables, especially the digital and USB cables used, in order to achieve the best possible musical performance from your dPlay Plus.

CLEANING

Do not use liquid or aerosol cleaners on MiZiK components. Wipe dust off the surfaces using a dry, soft cloth. To remove stains or dirt, use a soft, damp cloth and a solution of water and mild detergent, such as washing-up liquid.

Waste Electrical and Electronic Equipment (WEEE) Environmental protection

The European Parliament and the Council of the European Union have issued the Waste Electrical and Electronic Equipment Directive. The purpose of the Directive is the prevention of waste of electrical and electronic equipment, and to promote the reuse and recycling and other forms of recovery of such waste. As such the Directive concerns producers, distributors and consumers.

The WEEE directive requires that both manufacturers and end-consumers dispose of electrical and electronic equipment and parts in an environmentally safe manner, and that equipment and waste are reused or recovered for their materials or energy. Electrical and electronic equipment and parts must not be disposed of with ordinary household refuse; all electrical and electronic equipment and parts must be collected and disposed of separately. Products and equipment which must be collected for reuse, recycling and other forms of recoverable mark with the pictogram shown.

When disposing of electrical and electronic equipment by use of the collection systems available in your country, you protect the environment, human health and contribute to the prudent and rational use of natural resources. Collecting electrical and electronic equipment and waste prevents the potential contamination of nature with the hazardous substances which maybe present in electrical and electronic products and equipment.

Your MiZiK retailer will assist with and advise you of the correct way of disposal in your country.

SPECIFICATIONS

Power consumption ON/Stand-by: 20W/<1.5W
Digital input lock range:
SPDIF: 32-192 KHz, 16-24 bits
TOSLINK: 32-96 KHz, 16-24 bits
USB lock range (KHz): 32-192 KHz, 16-24 bits
Max output voltage RCA/XLR: 4Vrms
Weight: 7.0 kg. / 8.2kg shipping
Dimensions(WxDxH): 29 x 22.3 x 8.1 cm.

www.mizikmusic.com