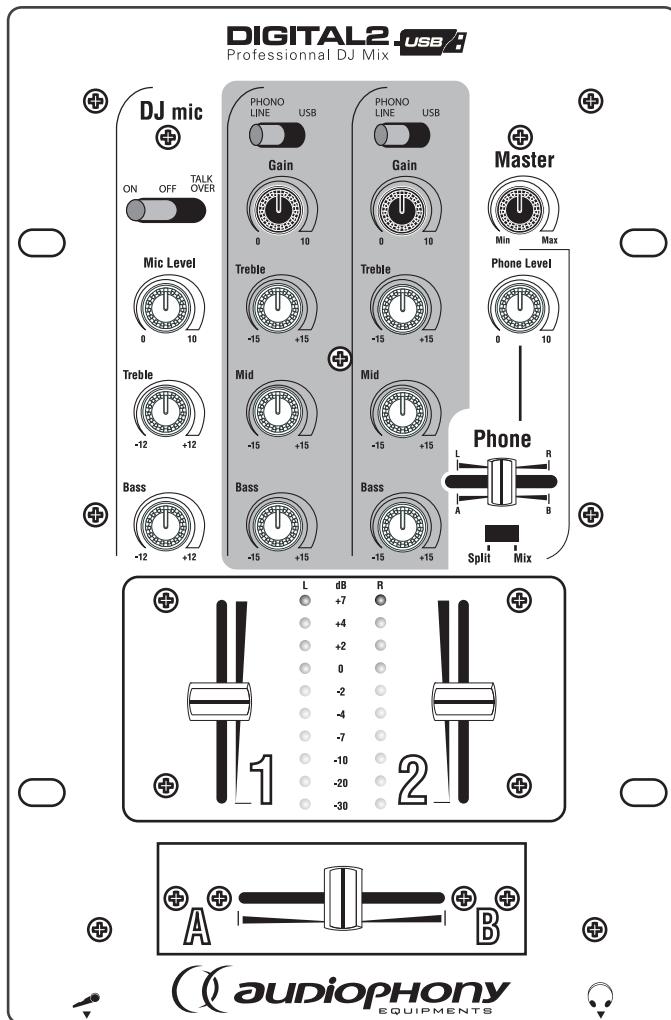


DIGITAL2 USB

Professional DJ Mix

 audiophony EQUIPMENTS



USER GUIDE
8682 - July 2006 Version 1.0

1 - Safety information

Important safety information



This unit is intended for indoor use only. Do not use it in a wet, or extremely cold/hot locations. Failure to follow these safety instructions could result in fire, electric shock, injury, or damage to this product or other property.



Any maintenance procedure must be performed by a CONTEST authorised technical service. Basic cleaning operations must thoroughly follow our safety instructions.



This product contains non-isolated electrical components. Do not undertake any maintenance operation when it is switched on as it may result in electric shock.

Symbols used



This symbol signals an important safety precaution.



The WARNING symbol signals a risk to the user's physical integrity. The product may also be damaged.



The CAUTION symbol signals a risk of product deterioration.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



WARNING : This unit contains no user-serviceable parts. Do not open the housing or attempt any maintenance by yourself. In the unlikely even your unit may require service, please contact your nearest dealer.

In order to avoid any electrical malfunction, please do not use any multi-socket, power cord extension or connecting system without making sure they are perfectly isolated and present no defect.



Sound levels

Our audio solutions deliver important sound pressure levels (SPL) that can be harmful to human health when exposed during long periods. Please do not stay in close proximity of operating speakers.

Recycling your device



- As HITMUSIC is really involved in the environmental cause, we only commercialise clean, ROHS compliant products.
- When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

Instructions and recommendations

1 - Please read carefully :

We strongly recommend to read carefully and understand the safety instructions before attempting to operate this unit.

2 - Please keep this manual :

We strongly recommend to keep this manual with the unit for future reference.

3 - Operate carefully this product :

We strongly recommend to take into consideration every safety instruction.

4 - Follow the instructions:

Please carefully follow each safety instruction to avoid any physical harm or property damage.

5 - Avoid water and wet locations :

Do not use this product in rain, or near washbasins or other wet locations.

6 - Installation :

We strongly encourage you to only use a fixation system or support recommended by the manufacturer or supplied with this product. Carefully follow the installation instructions and use the adequate tools.

Always ensure this unit is firmly fixed to avoid vibration and slipping while operating as it may result in physical injury.

7 - Ceiling or wall installation :

Please contact your local dealer before attempting any ceiling or wall installation.

8 - Ventilation :

The cooling vents ensure a safe use of this product, and avoid any overheating risk. Do not obstruct or cover these vents as it may result in overheating and potential physical injury or product damage. This product should never been operated in a closed non-ventilated area such as a flight case or a rack, unless cooling vents are provided for the purpose.

9 - Heat exposure :

Sustained contact or proximity with warm surfaces may cause overheating and product damages. Please keep this product away from any heat source such as a heaters, amplifiers, hot plates, etc...

10 - Electric power supply :

This product can only be operated according to a very specific voltage. These information are specified on the label located at the rear of the product.

11 - Power cords protection :

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at luggage, convenience receptacles and the point where they exit from the fixture.

12 - Cleaning precautions :

Unplug the product before attempting any cleaning operation. This product should be cleaned only with accessories recommended by the manufacturer. Use a damp cloth to clean the surface. Do not wash this product.

13 - Long periods of non use :

Disconnect the unit's main power during long periods of non use.

14 - Liquids or objects penetration :

Do not let any object penetrate this product as it may result in electric shock or fire. Never spill any liquid on this product as it may infiltrate the electronic components and result in electric shock or fire.

15 - This product should be serviced when :

Please contact the qualified service personnel if :

- The power cord or the plug has been damaged.
- Objects have fallen or liquid has been spilled into the appliance.
- The appliance has been exposed to rain or water.
- The product does not appear to operate normally.
- The product has been damaged.

16 - Inspection/maintenance :

Please do not attempt any inspection or maintenance by yourself. Refer all servicing to qualified personnel.

17 - Operating environment :

Ambient temperature and humidity: +5 - +35°C, relative humidity must be less than 85% (when cooling vents are not obstructed).

Do not operate this product in a non-ventilated, very humid or warm place.

2 - Main characteristics

- 2 stereo channels: Line - Phono / USB (via switch).
- 3-way equalizer and gain control for each channel
- 1 microphone input with volume control
- Monitoring function via Phone output (can be switched between SPLIT and MIX)
- LED VU meter
- MASTER output volume control
- Replaceable cross-fader
- 2 USB ports allowing you to connect your computer
 - The USB ports act as sound cards, giving you limitless mixing or sound processing possibilities.

3 - Technical specifications

Input sensitivities

- Microphone: 2 mV
- Phono: 3 mV
- Line: 200 mV
- Weight: 3.7 Kg

Audio output levels

- Master: 4.5 V +/-0.5V
- Headphones: 1.5V +/-0.3V - 32Ohms

Audio characteristics

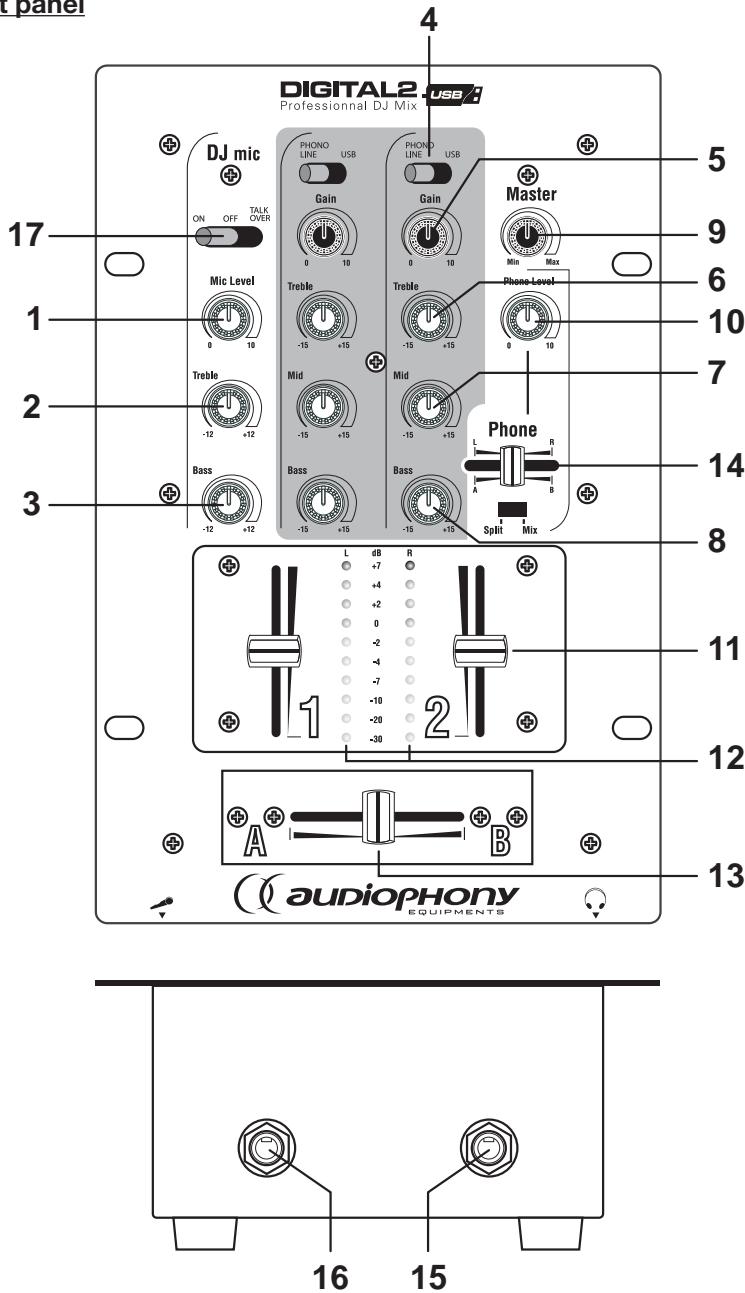
- Frequency response: 20 Hz to 20 KHz +/-3dB (RIAA +/-3 dB)
- Signal-to-noise ratio: 60 dB
- Channels balance: lower than 2,5 dB at 1 KHz
- Harmonic distortion: lower than 0.09% at 1 KHz

Physical configuration

- Weight: 1.9 kg
- Dimensions: 270 x 117.8 x 85 mm

4 - Presentation

- Front panel



1 - Mic Level

Adjusts the microphone volume.

2 - Treble (microphone channel)

Adjusts the trebles volume of your microphone.

3 - Bass (microphone channel)

Adjusts the low frequencies volume of your microphone.

4 - PHONO / LINE / USB Switch

Source selector. Channels 1 and 2 feature this function.

5 - Gain

Gain control settings. Channels 1 and 2 feature this function.

6 - Treble (channels 1 and 2)

Adjusts the trebles volume of channels 1 and 2. Settings from -15 dB to +15 dB.

7 - Mid (channels 1 and 2)

Adjusts the medium frequencies volume of channels 1 and 2. Settings from -15 dB to +15 dB.

8 - Bass (channels 1 and 2)

Adjusts the low frequencies volume of channels 1 and 2. Settings from -15 dB to +15 dB.

9 - Master

Adjusts the main volume output.

10 - Phone Level

Adjusts your headphones volume.

11 - Faders (channels 1 and 2)

Adjust the post-equalization output of channels 1 and 2.

12 - VU meter

Channels 1 and 2 LED volume indicator. Try to get sound levels close to 0 dB to avoid signal distortions.

13 - Cross Fader

Allows you to combine channel 1 signals with channel 2 signals. It is regarded as wearing part and can be easily dismantled and replaced.

14 - Phone

Allows you to monitor channels 1 and 2 signals via your headphones, even if faders (11) are at their lowest.

How to monitor:**1 - Two monitoring modes: Split / Mix selector**

- Split mode: The phone output is mono: position it on the left side to monitor channel one and on the right side to monitor channel 2.

- Mix mode: The phone output is stereo and allows you to monitor both channels at the same time.

2 - Fader: Adjusting the monitoring sound levels for each channel

- Push it towards the right to increase channel 2 volume and decrease channel 1 volume.

- On the other hand, push it towards the left to increase channel 1 volume and decrease channel 2 volume.

15 - Phone output

Stereo Jack 6.35 chassis: connect here your headphones.

16 - Microphone input

Mono Jack 6.35 chassis: connect here your dynamic microphone.

17 - TALK-OVER Switch

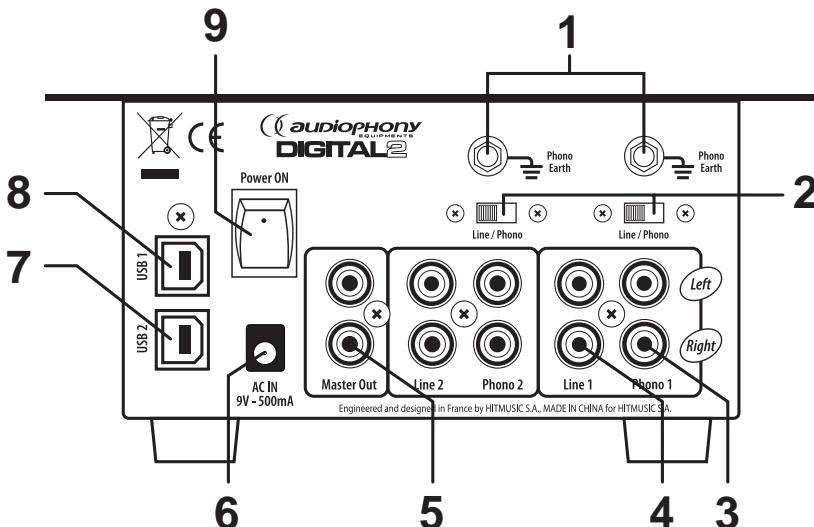
This switch allows you to choose one of the 3 TALK-OVER modes.

- 1 - ON:** The music volume is decreased by 10 dB.

- 2 - TALK-OVER:** The music level is decreased by 10 dB only when a microphone signal is detected.

- 3 - OFF:** the microphone channel does not prime and the music level is not altered.

- Rear panel



1 - Grounds

Connect here the grounds of your turntables.

2 - Line/Phono Switches

Allows you to select which can of sources you want to connect to the Line1/Phono1 and Line2/Phono2 inputs.

3 - Phono 1 and 2 inputs

Phono inputs if switches (mentioned previously) have been put in phono mode, allowing you to connect turntables.

If switches are positioned on Line, they become line-level inputs.

4 - Line 1 and 2 inputs

Allow you to connect line-level sources such as CD players, cassette players, wireless microphone receivers, keyboards, etc.

5 - Master Out

Unbalanced output allowing you to connect your DIGITAL-2 to an amplifier, active filter, etc.

6 - External power supply connector

Connect here the supplied power cord, then connect the other end to an electrical outlet. Please make sure the voltage delivered is 230V - 50 Hz.

7 - USB1 Connector

Allows you to connect a computer equipped with USB ports. Your DIGITAL-2 acts as sound card and need a few moments to get recognised by your computer. Once identified, your DIGITAL-2 will be considered as audio device by your computer.

Please refer to the end of this guide for more details about USB ports and mixing desks.

8 - USB2 Connector

Similar to USB1.

9 - Power switch

Activates or deactivates your DIGITAL-2.

4 - Combining your mixing desk with a computer

USB ports allow you to play and record audio data directly from your computer.

All you need to do is connect your PC to your mixing desk via USB, the drivers will install automatically.

You can thus play any type of audio files such as MP3, WMA, WAV...

You can also directly record your set onto your computer.

Each USB port can record and play simultaneously.

The USB interface is detected as standard USB sound card (USB Audio Device or USB Audio CODEC).

All audio signals from your computer will be transmitted to your mixer via USB cable.

Each USB port of your mixer is detected as separate USB audio device.

You can play two audio files simultaneously from your computer and send them to two different channels by using two USB cables.

You will benefit from both a wide audio database and the limitless solutions of your mixers.

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