

behringer U-Phoria UMC404HD Audiophile USB Audio/MIDI Interface User Guide

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U-PHORIA
UMC404HD
Audiophile 4×4, 24-Bit/192 kHz
USB Audio/MIDI Interface with Midas Mic Preamplifiers

UMC204HD
Audiophile 2×4, 24-Bit/192 kHz

USB Audio/MIDI Interface with Midas Mic Preamplifiers

UMC202HD
Audiophile 2×2, 24-Bit/192 kHz
USB Audio Interface with Midas Mic Preamplifiers

UMC22
Audiophile 2×2 USB Audio Interface with Midas Mic Preamplifier

UM2
Audiophile 2×2 USB Audio Interface with XENYX Mic Preamplifier

Important Safety Instructions



Terminals marked with this symbol carry electrical current of sufficient magnitude to constitute risk of electric shock.
Use only high-quality professional speaker cables with ¼" TS or twist-locking plugs pre-installed. All other installation or modification should be performed only by qualified personnel.

This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure – voltage that may be sufficient to constitute a risk of shock.

This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual.

Caution
To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user serviceable parts inside. Refer servicing to qualified personnel.

Caution
To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture. The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Caution
These service instructions are for use by qualified service personnel only.
To reduce the risk of electric shock do not perform any servicing other than that contained in the operation instructions.

Repairs have to be performed by qualified service personnel.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety.
   If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Use only attachments/accessories specified by the manufacturer.



12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
13. Unplug this app aratus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid
    has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.
16. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
17. Correct disposal of this product: This symbol indicates that this product must not be disposed of with household waste, according to the WEEE Directive (2012/19/EU) and your national law. This product should be taken to a collection center licensed for the recycling of waste electrical and electronic equipment (EEE). The mishandling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the efficient use of natural resources. For more information about where you can take your waste equipment for recycling, please contact your local city office, or your household waste collection service.
18. Do not install in a confined space, such as a book case or similar unit.
19. Do not place naked flame sources, such as lighted candles, on the apparatus.
20. Please keep the environmental aspects of battery disposal in mind. Batteries must be disposed-of at a battery collection point.

21. This apparatus may be used in tropical and moderate climates up to 45°C.

LEGAL DISCLAIMER

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LIMITED WARRANTY

For the applicable warranty terms and conditions and additional information regarding Music Tribe's Limited Warranty,
please see complete details online at community.musictribe.com/pages/support warranty.

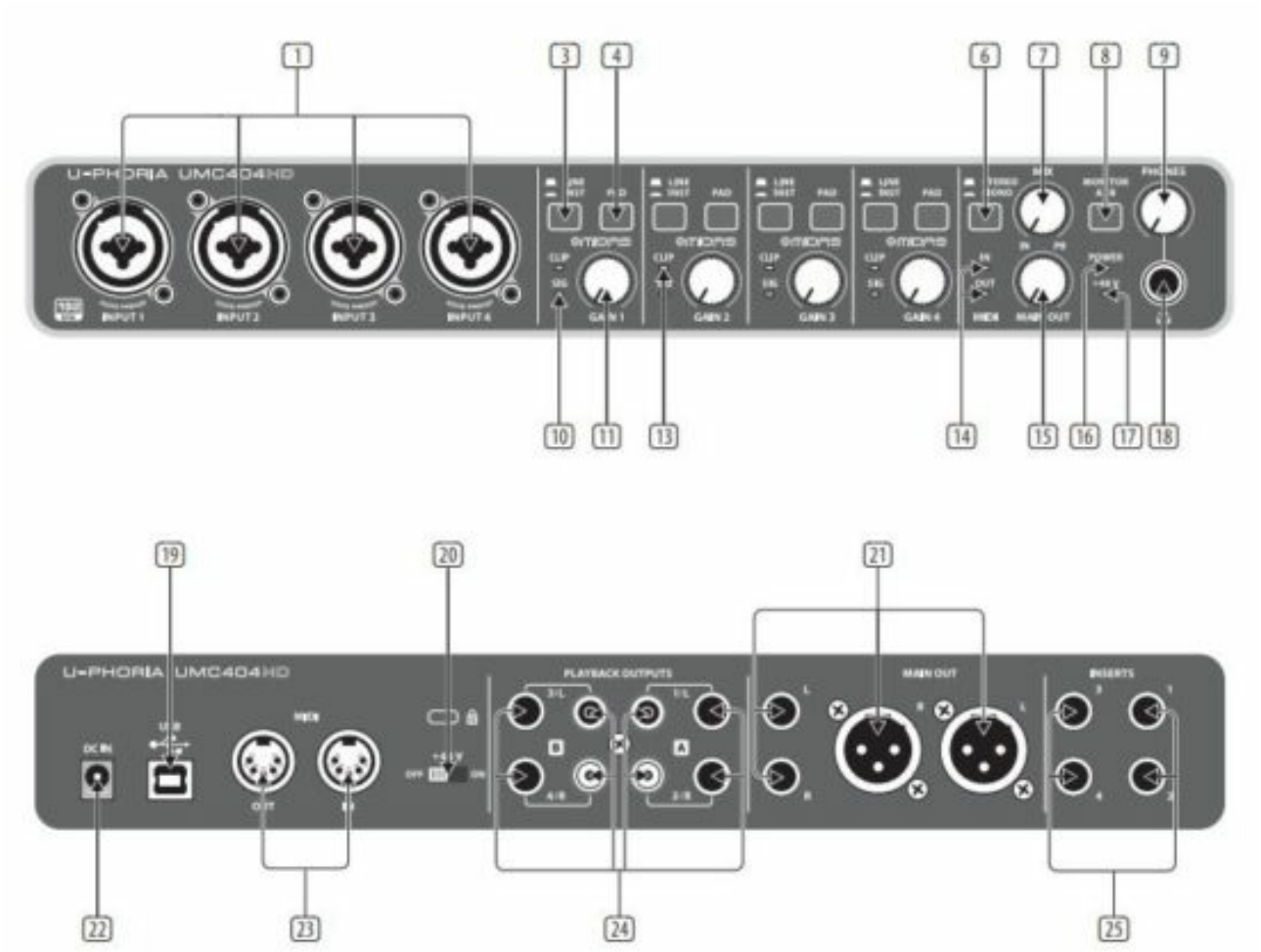
U-PHORIA UMC404HD/UMC204HD/UMC202HD/UMC22/UM2 Hook-up

Step 1: Hook-Up

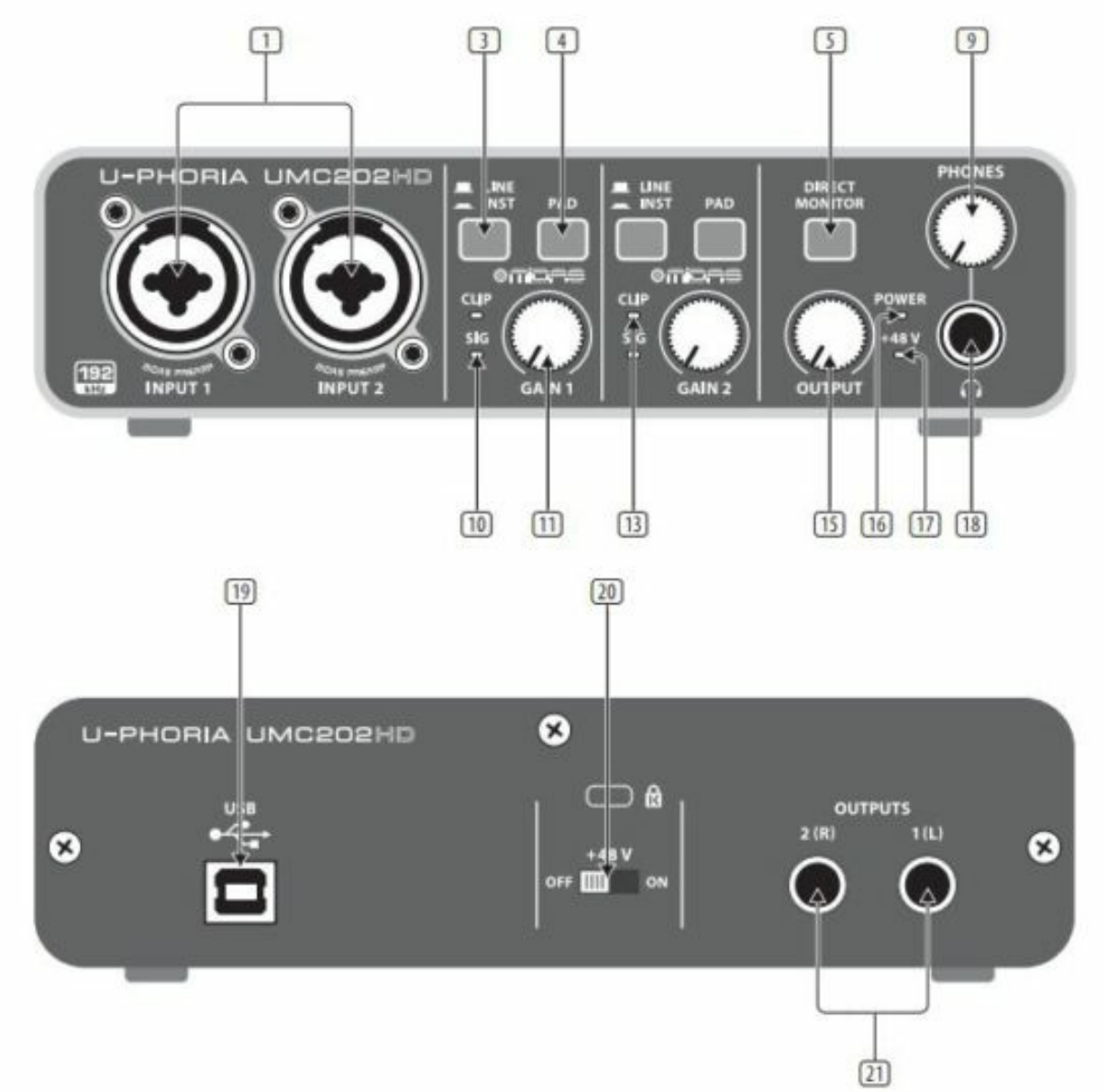


Mobile Recording / Mixing

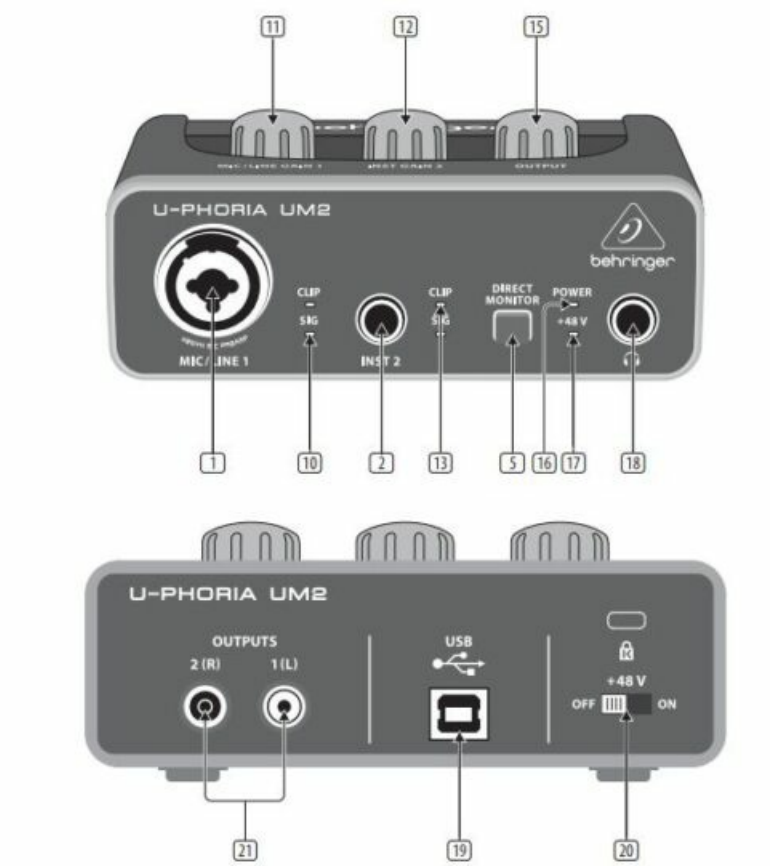
U-PHORIA UMC404HD/UMC204HD/UMC202HD/UMC22/UM2 Controls



U-PHORIA UMC404HD/UMC204HD/UMC202HD/UMC22/UM2 Controls



U-PHORIA UMC404HD/UMC204HD/UMC202HD/UMC22/UM2 Controls



Step 2: Controls

1 **MIC/LINE 1** (UM2 & UMC22) / **INPUT 1 & 2** (UMC202HD & UMC204HD) / **INPUT 1 – 4** (UMC404HD) combination XLR / ¼" connectors. Connect microphones, instruments or line level audio sources to these connectors.

2 **INST 2** (UM2 & UMC22) ¼" connector. Connect instrument and audio sources to this connector.

3 **LINE / INST** (UMC202HD / UMC204HD / UMC404HD) selector designates line level or instrument level input source at combination XLR / ¼" connector(s).

4 **PAD** (UMC202HD / UMC204HD / UMC404HD) selector reduces input level for connected sources when engaged.

5 **DIRECT MONITOR** (UM2 / UMC22 / UMC202HD) selector activates direct monitoring of input signals with zero latency (no delay) when engaged.

6 **STEREO/MONO** (UMC204HD & UMC404HD) selector activates mono monitoring of audio signals connected to INPUT 1 and INPUT 2 (UMC204HD) or INPUTS 1 – 4 (UMC404HD) when engaged.

7 **MIX** (UMC204HD & UMC404HD) knob adjusts the level of input signal to playback 1-2 signal at the MAIN OUT and at the 🎧 output (if MONITOR A is selected for the 🎧 output).

8 **MONITOR A/B** (UMC204HD & UMC404HD) selector designates output channels 3 & 4 at the 🎧 output when engaged.

9 **PHONES** (UMC202HD / UMC204HD / UMC404HD) knob adjusts the output level at the 🎧 (headphones) output.

10 **SIG LED** indicates that an audio signal is present in the channel.

11 **MIC/LINE GAIN 1** (UM2) / **GAIN 1 & 2** (UMC22 / UMC202HD /UMC204HD) **GAIN 1 – 4** (UMC404HD) knob adjusts the input level at MIC/LINE 1 (UM2), MIC/LINE 1 & INST 2 (UMC22), INPUT 1 & 2 (UMC202HD & UMC204HD), or INPUT 1 – 4 (UMC404HD).

12 **INST GAIN 2** (UM2) knob adjusts the input level at the INST 2 input.

13 **CLIP LED** indicates that the audio signal in the channel is too loud. Turn the corresponding GAIN knob counter-clockwise until the CLIP LED no longer illuminates.

14 **MIDI IN/OUT** LEDs (UMC204HD & UMC404HD) indicate MIDI signal activity.

Step 3: Getting started

1 Windows operating system: Please visit www.behringer.com and download the latest USB driver for your U-Phoria interface. Unzip the file, double-click the setup.exe and follow the on-screen instructions.

Mac OS X operating system: No drivers needed, your U-Phoria interface operates class-compliant.

2 Connect to the mains via the provided power adapter (UMC404HD).

3 Connect to a computer via the provided USB cable. Designate your U-Phoria device as your audio (UM2 / UMC22 / UMC202HD) or audio/MIDI (UMC204HD & UMC404HD) interface in your DAW software.

4 Connect a pair of studio headphones to the 🎧 connector to monitor input levels and playback from your audio software. Use the OUTPUT knob (UM2 & UMC22) or PHONES knob (UMC202HD / UMC204HD / UMC404HD) to adjust the headphone volume. Engage the DIRECT MONITOR button (UM2 / UMC22 / UMC202HD) or adjust the MIX knob (UMC204HD & UMC404HD) to achieve zero latency monitoring of your input signals.

5 Connect instruments and audio sources to MIC/LINE 1 and INST 2 (UM2 & UMC22), INPUT 1 and INPUT 2 (UMC202HD & UMC204HD), or INPUT 1 – 4 (UMC404HD). Use the MIC/LINE GAIN 1 and INST GAIN 2 (UM2), GAIN 1 and GAIN 2 knobs (UMC22 / UMC202 / UMC204HD), or GAIN 1 – 4 (UMC404HD) knobs to adjust the input level of the connected audio sources. Engage the +48 V phantom power switch on the rear panel if you are recording with condenser microphones.

6 Connect a MIDI keyboard, controller, or other MIDI device via the MIDI ports on the rear panel (UMC204HD & UMC404HD).

7 Connect a pair of studio monitors to the 1(L) & 2(R) OUTPUTS (UM2 / UMC22 / UMC202HD) or L & R MAIN OUTS (UMC204HD & UMC404HD) for playback and mixing. Use the OUTPUT (UM2 / UMC22 / UMC202HD) or MAIN OUT (UMC204HD & UMC404HD) knob to adjust the volume level at the OUTPUTS or MAIN OUT.

Specifications

Model	UMC404HD	UMC204HD	UMC202HD
Input			
Preamp	4 x Midas design	2 x Midas design	
Type	4 x XLR/TRS combo connector (Mic/Line/Instrument)	2 x XLR/TRS combo connector (Mic/Line/Instrument)	
Input level attenuation	4 x Pad switch	2 x Pad switch	
Frequency response	10 Hz – 50 kHz (0 / -3 dB)		
Impedance	Mic in: 3 kΩ / Instrument in: 1 MΩ		
Max. input level	Mic: -4 dBu / Line: +20 dBu / Instrument: -3 dBu		
Phantom power	+48 V, switchable		
Output			
Type	1 x ¼" stereo (Phones), 2 x ¼" TRS (Main Line Out), 2 x XLR (Main Line Out), 4 x ¼" TRS (Playback Line Out), 4 x RCA (Playback Line Out)	1 x ¼" stereo (Phones), 2 x ¼" TRS (Main Line Out), 4 x RCA (Playback Line Out)	1 x ¼" stereo (Phones), 2 x ¼" TRS (Line Out)
Frequency response	10 Hz – 43 kHz (0 / + 0.3 dB)		
Max. output level	+3 dBu		

Model	UMC404HD	UMC204HD	UMC202HD
System Data			
Dynamic range	100 dB, A-weighted	110 dB, A-weighted	
Frequency response	10 Hz – 43 kHz (0 / + 0.3 dB)		
Inserts			
Type	4 x ¼" TRS	2 x ¼" TRS	n/a
Impedance	100 Ω Send / 10 kΩ Return		n/a
Max. input level	+3 dBu		n/a
MIDI I/O			
Type	5-pin DIN; 1 in, 1 out		n/a
Monitoring			
Direct monitor control	Mix Balance control (input <> playback)		Direct Monitor switch
Headphones DJ cueing	Monitor A/B switch (out 1-2 / 3-4 select)		n/a
Security Lock			
Kensington security lock	Yes		
Digital Processing			
Supported sample rates	44.1 / 48 / 88.2 / 96 / 176.4 / 192 kHz		
Computer Bus Connectivity			
Type	USB 2.0, type B		

Other important information

Important information

1. Register online. Please register your new Music Tribe equipment right after you purchase it by visiting musictribe.com. Registering your purchase using our simple online form helps us to process your repair claims more quickly and efficiently. Also, read the terms and conditions of our warranty, if applicable.
2. Malfunction. Should your Music Tribe Authorized Reseller not be located in your vicinity, you may contact the Music Tribe Authorized Fulfiller for your country listed under “Support” at musictribe.com. Should your country not be listed, please check if your problem can be dealt with by our “Online Support” which may also be found under “Support” at musictribe.com. Alternatively, please submit an online warranty claim at musictribe.com BEFORE returning the product.
3. Power Connections. Before plugging the unit into a power socket, please make sure you are using the correct mains voltage for your particular model. Faulty fuses must be replaced with fuses of the same type and rating without exception.

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Behringer
U-PHORIA UMC404HD/UMC204HD/
UMC202HD/UMC22/UM2

Responsible Party Name: Music Tribe Commercial NV Inc.
Address: 122 E. 42nd St.1,
8th Floor NY, NY

10168, United States
Email Address: legal@musictribe.com

U-PHORIA UMC404HD/UMC204HD/ UMC202HD/UMC22/UM2
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Important information:
Changes or modifications to the equipment not expressly approved by Music Tribe can void the user's authority to use the equipment.

CE

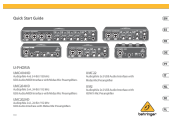
Hereby, Music Tribe declares that this product is in compliance with Directive 2014/30/EU, Directive 2011/65/EU and Amendment 2015/863/EU, Directive 2012/19/EU, Regulation 519/2012 REACH SVHC and Directive 1907/2006/EC.

Full text of EU DoC is available at https://community.musictribe.com/

EU Representative: Music Tribe Brands DK A/S
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UK Representative: Music Tribe Brands UK Ltd.
Address: 6 Lloyds Avenue, Unit 4CL London EC3N 3AX, United Kingdom

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Manuals+,