



behringer UCA202 U-CONTROL Ultra-Low Latency 2 In 2 Out USB WAudio Interface with Digital Output User Manual

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Thank you

Thank you for choosing the new UFO202 U-PHONO interface from Behringer. You will now be able to transfer all your great albums from the vinyl and tape eras into the digital realm with the help of this easy-to-use device. It features stereo RCA inputs and outputs to allow both monitoring and recording of the audio source. The USB connection will work with either PCs or Mac computers, so no drivers are needed for installation, and power is supplied through the USB cable. The separate headphones output allows you to play back your recordings at any time, even if you don't have any loudspeakers available. We've also included free software to help you transfer and edit the music in a streamlined fashion, allowing you to spend less time fidgeting with settings and more time listening to your favorite songs.

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 apparatus 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

Music Tribe accepts no liability for any loss which may be suffered by any person who relies either wholly or in part upon any description, photograph, or statement contained herein. Technical specifications, appearances and other information are subject to change without notice. All trademarks are the property of their respective owners. Midas, Klark Teknik, Lab Gruppen, Lake, Tannoy, Turbosound, TC Electronic, TC Helicon, Behringer, Bugera, Oberheim, Auratone and Coolaudio are trademarks or registered trademarks of Music Tribe Global Brands Ltd. © Music Tribe Global Brands Ltd. 2021 All rights reserved.

LIMITED WARRANTY

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

Introduction

Welcome to the family of U-CONTROL users and thank you for expressing your confidence in Behringer products by purchasing the UCA202. With the UCA202 you have purchased a high-performance audio interface that includes a USB connector. It is thus an ideal sound card for your laptop computer or an essential recording/playback component for studio environments that involve desktop computers.

The UCA202 is PC and Mac-compatible. Therefore, no separate installation procedure is required, while the operating system drivers ensure an extremely short latency. Thanks to its robust construction and compact dimensions, the UCA202 is also ideal for traveling. The separate headphones output allows you to playback your recordings at any time, even if you don't happen to have any loudspeakers available.

2 inputs and outputs as well as the digital stereo output give you total connecting flexibility to mixing consoles, loud speakers or headphones. Power is supplied to the unit via the USB interface. The LED gives you a quick check that the UCA202 is properly connected to the computer. The UCA202 is the ideal extra for every computer musician.

Before you started

Shipment

Your UCA202 was carefully packed at the assembly plant to assure secure transport. Should the condition of the cardboard box suggest that damage may have taken place, please inspect the unit immediately and look for physical indications of damage.

- Damaged equipment should NEVER be sent directly to us. Please inform the dealer from whom you acquired the unit immediately as well as the transportation company from which you took delivery. Otherwise, all claims for replacement/repair may be rendered invalid.
- Please always use the original packaging to avoid damage due to storage or shipping.
- Never let unsupervised children play with the equipment or with its packaging.
- Please dispose of all packaging materials in an environmentally friendly fashion.

Initial operation

Please make sure the unit is provided with sufficient ventilation, and never place the UCA202 on top of an amplifier or in the vicinity of a heater to avoid the risk of overheating.

The current supply is made via the USB connecting cable, so that there is no external power supply unit required. All required safety precautions have been adhered to.

Online registration

Please register your new Behringer equipment right after your purchase by visiting <http://behringer.com> and read the terms and conditions of our warranty carefully.

Should your Behringer product malfunction, it is our intention to have it repaired as quickly as possible. To arrange for warranty service, please contact the Behringer retailer from whom the equipment was purchased. Should your Behringer dealer not be located in your vicinity, you may directly contact one of our subsidiaries. Corresponding contact information is included in the original equipment packaging (Global Contact Information/European Contact Information). Should your country not be listed, please contact the distributor nearest you. A list of distributors can be found in the support area of our website (<http://behringer.com>).

Registering your purchase and equipment with us helps us process your repair claims more quickly and efficiently. Thank you for your cooperation!

System Requirements

The UCA202 is PC and Mac-compatible. Therefore, no installation procedure or drivers are required for the correct functioning of the UCA202.

To work with the UCA202, your computer must fulfill the following minimum requirements:

PC

Intel or AMD CPU, 1 GHz or higher
minimum 512 MB RAM
USB 2.0 interface
Windows XP SP2

Mac

G4/G5, 800 MHz or higher
minimum 512 MB RAM

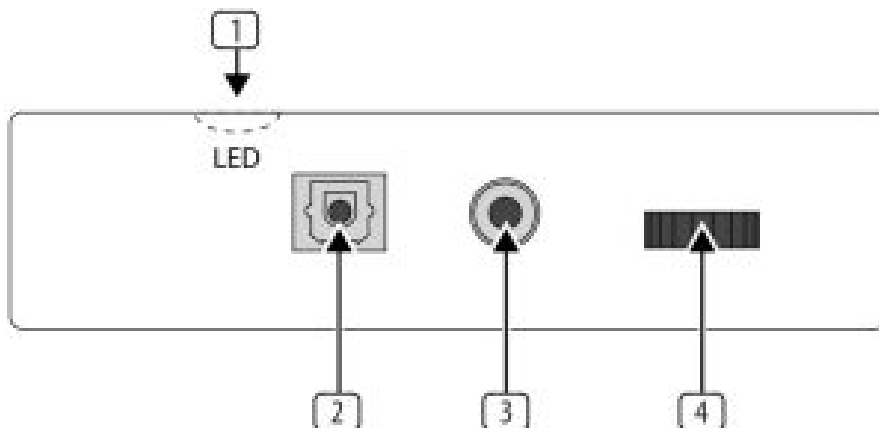
USB 2.0 interface
Mac OS X 10.3.9 (Panther) or higher

Hardware connection

Use the USB connecting cable supplied with the UCA202 to connect the unit to your computer. The USB connection also supplies the UCA202 with current. You can connect a variety of devices and equipment to the inputs and outputs.

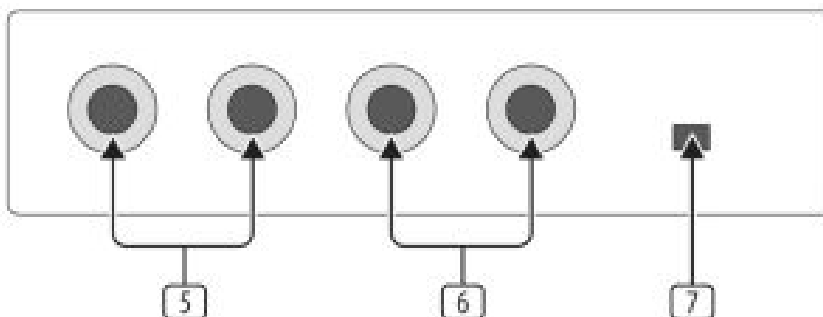
Operating Elements and Connections

Front panel




Front panel UCA202

Rear panel



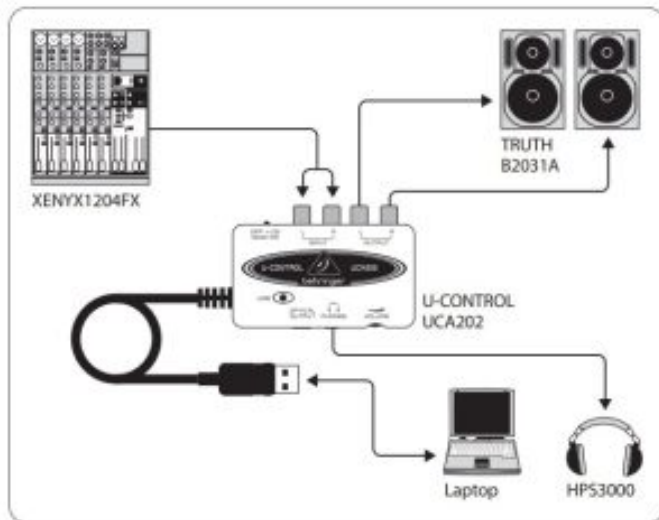
Back of the UCA202

1. The LED indicates the status of the USB power supply.
2. DIGITAL OUTPUT: The Toslink jack carries an S/PDIF signal which can be connected via a fiber optic cable, for example, to the digital input of an effects device.
3. Use the  jack to connect a standard pair of headphones equipped with a 1/8" TRS connector.
4. The VOLUME control adjusts the volume level of the headphones output. Turn the control fully to the left before you connect the headphones. This helps you avoid the damage that is caused by high volume settings.
5. Use the jack to connect a standard pair of headphones equipped with a 1/8" TRS connector.
6. Use the LINE-OUT jacks for audio cables with RCA connectors.

7. Use the LINE-IN jacks for audio cables with RCA connectors.
8. The OFF/ON-MONITOR switch activates the monitor function. In this case the input signal is routed directly to the headphones output.

Working with the UCA202

Application example



Common version with the UCA202

To provide a professional recording interface between mixing console and computer, you can use the UCA202 in combination with a suitable mixing console that includes subgroup outputs. This type of setup allows you to record several signals in the computer at the same time, to simultaneously play back several takes or playbacks which have been recorded, and to listen to the whole recording via loudspeakers (or headphones). Figure 4.1 shows a possible setup with one UCA202.

Connect the outputs of the subgroup (in this case ALT 3-4 OUT) with the inputs of the UCA202 (6). You can choose to connect the outputs (5) of the interface either to the TAPE INPUT sockets or to your monitor speakers. You can connect control headphones to the socket (3) of the UCA202 or to the headphones output of your mixing console. Use the USB cable supplied with the unit to connect your PC or MAC via the USB interface.

By routing each channel that you want to record through the ALT3-4 subgroup, you can now use the input channels of the mixing console to record different signals (e.g. microphone, guitar, sound module, etc.) in the computer. If you connect the OUT jacks of the UCA202 to channel inputs 7/8 (not via TAPE INPUT), make sure that the signal is not switched to the subgroup but instead to the main output of your mixer (MUTE key on the UB1204FX-PRO in channel 7/8 not pressed). Otherwise feedback can occur. Make sure that you use the SOURCE section on the mixing console to select the correct monitoring paths (ALT 3-4 and MAIN MIX or ALT 3-4 and TAPE).

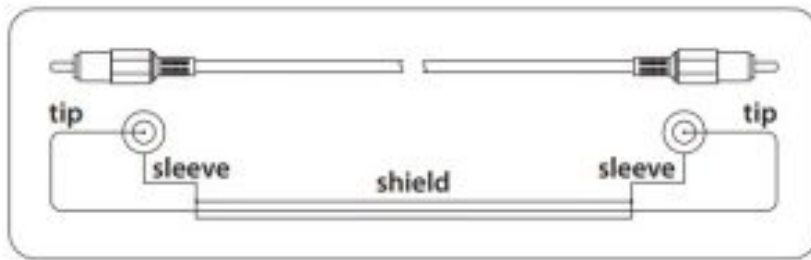
If you lead the UCA202 back via a channel input (not TAPE INPUT), you can also use the aux path in the channel to set up a monitor mix for live musicians. To do this, use the Aux Send (e.g. Aux 1) in this channel input. If the musicians want to hear themselves as well as the playback or previous recording takes, use the Aux Sends in the recording channels to mix in the recording signals with the monitor mix.

Audio Connections

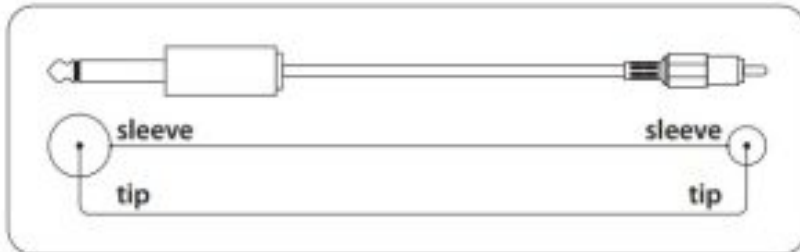
Although there are various ways to integrate the UCA202 into your studio or live set-up, the audio connections to be made will basically be the same in all cases:

Wiring

Please use standard RCA cables to connect the UCA202 to other audio equipment. You can also use an adapter cable.



RCA cable



Adapter cable with 1/4" jack

Headphones connection

The UCA202 is provided with a headphones jack. Here, you can connect any standard pair of stereo headphones with a 1/8" TRS connector.

Specifications

Line In

Connectors

RCA, unbalanced

Input impedance

approx. 27 k Ω

Max. input level

2 dBV

Line Out

Connectors

RCA, unbalanced

Output impedance

approx. 400 Ω

Max. output level

2 dBV

Digital Output

Socket

Toslink, optical cable

Output format

S/PDIF

Phones Out

Socket

1/8" TRS stereo jack

Output impedance

approx. 50 Ω

Max. output pegel

-2 dBu, 2 x 3.7 mW @ 100 Ω

USB 1.1**Connectors**

type A

Digital Processing**Converter**

16-bit converter

Sample rate

32.0 kHz, 44.1 kHz, 48.0 kHz

System Data**Frequency response**

10 Hz to 20 kHz,
 ± 1 dB @ 44.1 kHz sample rate

10 Hz to 22 kHz,
 ± 1 dB @ 48.0 kHz sample rate

THD

0.05% typ. @ -10 dBV, 1 kHz

Crosstalk

-77 dB @ 0 dBV, 1 kHz

Signal-to-noise ratio

A/D 89 dB typ. @

1 kHz, A-weighted

D/A 96 dB typ. @

1 kHz, A-weighted

Power Supply**USB connection**

5V , 100 mA max.

Dimensions/Weight**Dimensions (H x W x D)**

approx. 0.87 x 2.36 x 3.46"

approx. 22 x 60 x 88 mm

Weight

approx. 0.10 kg

Behringer always takes great care to ensure the highest standard of quality. Any modifications which may be necessary will be made without prior notification. Specifications and appearance of the equipment can therefore differ from the details or illustrations shown.

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Behringer

U-CONTROL UCA202

Responsible Party Name:

Music Tribe Commercial NV Inc.

Address:

901 Grier Drive
Las Vegas, NV 89118
USA

Phone Number:

+1 747 237 5033

CONTROL UCA202

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 device 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.

Documents / Resources



[behringer UCA202 U-CONTROL Ultra-Low Latency 2 In 2 Out USB WAudio Interface with Digital Output \[pdf\] User Manual](#)
U-CONTROL Ultra-Low Latency 2 In 2 Out USB WAudio Interface with Digital Output, UCA202

References

-  [Behringer | Home](#)
-  [Music tribe – Music is life](#)

Manuals+.