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## Behringer UFO202

# Behringer U-PHONE UFO202 USB Audio Interface Instruction Manual

Model: UFO202 | Brand: Behringer

## INTRODUCTION

The Behringer U-PHONE UFO202 is a high-quality USB Audio Interface designed to digitalize your analog audio sources, such as tapes and vinyl records. It features a built-in phono preamp, allowing direct connection of turntables. This compact and versatile device connects to your computer via a simple USB connection, enabling you to transfer and restore your valuable audio collections with ease. It supports both line-level and phono inputs, making it suitable for a variety of audio equipment.

Key features include:

- High-quality USB audio interface for connecting turntables and cassette players.
- Built-in phono preamp for direct vinyl record digitalization.
- Simple USB connection for audio transfer to your computer.
- Massive software bundle (available via download) for vinyl restoration, noise-reduction, editing, and recording.
- Phono input switchable to line input source for versatile connectivity.

## WHAT'S IN THE BOX

Upon unboxing your Behringer U-PHONE UFO202, you should find the following items:

- Behringer U-PHONE UFO202 USB Audio Interface
- Integrated USB cable
- Software package (downloadable)

## SETUP

### Connecting the UFO202

To begin using your UFO202, follow these connection steps:

1. Connect your turntable or cassette player's RCA output cables to the corresponding L (Left) and R (Right) INPUT jacks on the UFO202.
2. If your turntable has a ground wire, connect it to the GND (Ground) terminal on the UFO202 to minimize hum or buzz.
3. Plug the integrated USB cable from the UFO202 into an available USB port on your computer. The 'USE' LED on the device will illuminate, indicating power.



The Behringer U-PHONE UFO202 USB Audio Interface, a compact device for converting analog audio to digital, shown connected to a turntable.

## Computer Setup (Windows & Audacity)

The UFO202 is a class-compliant device, meaning it typically does not require special drivers and will be recognized by your operating system automatically. However, you may need to configure your sound settings:

### 1. Windows Sound Settings:

- Right-click on the Windows Start button and select 'Run'.
- Type 'control' and press Enter to open the Control Panel.
- Navigate to 'Sound' (look for the speaker icon).
- In the 'Sound' window, go to the 'Recording' tab. Select 'Microphone (USB Audio CODEC)' as your default recording device.
- Click 'Properties', then go to the 'Advanced' tab. Set the default format to '2 channel, 16-bit, 44100 Hz (CD Quality)' for optimal stereo recording.
- In the 'Playback' tab, ensure your desired output device (e.g., 'Speakers (Sound Blaster Audigy)') is selected for monitoring.

## 2. Audacity Setup:

- Open Audacity. Go to 'Audio Setup' in the toolbar.
- For 'Playback Device', select 'Microsoft Sound Mapper - Output' or your preferred speaker output.
- For 'Recording Device', select 'Microphone (USB Audio CODEC)'.
- Set 'Recording Channels' to '2 (Stereo)'.
- Adjust the 'Recording Level' slider in Audacity to around 70-80% initially. This can be fine-tuned during recording to avoid clipping.

An official video demonstrating the Behringer UCA 222 and UFO202 audio interfaces, showing their physical features and basic connectivity.

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## OPERATING

### Recording with Audacity

Once your UFO202 and computer settings are configured, you can begin recording:

1. **Prepare your audio source:** Place your vinyl record on the turntable or insert your cassette into the player.
2. **Set Recording Level:** In Audacity, monitor the input level meters. Play a loud section of your audio source and adjust the 'Recording Level' slider so that the peaks are around -6 dB to -2 dB, avoiding clipping (red indicators).
3. **Start Recording:** Click the 'Record' button (red circle) in Audacity.
4. **Begin Playback:** Carefully lower the needle onto your vinyl record or start playback on your cassette player.
5. **Monitor:** Continuously monitor the recording levels in Audacity to ensure no clipping occurs.
6. **Stop Recording:** Once your audio source has finished playing, click the 'Stop' button (yellow square) in Audacity.

### Editing and Exporting

After recording, you can edit and export your audio:

1. **Separate Tracks:** If you recorded multiple songs in one take, use Audacity's tools to split the audio into individual tracks. You can use the 'Labels' feature to mark song beginnings.
2. **Apply Effects (Optional):** Audacity offers various effects like noise reduction, normalization, and equalization to enhance your audio quality.
3. **Export Audio:**
  - Go to 'File' > 'Export' > 'Export Multiple' (if you have multiple labeled tracks) or 'Export Audio' (for a single track).
  - Choose your desired format (e.g., MP3, WAV). For MP3, select a quality of 320 kbps for optimal sound.
  - Select a destination folder for your exported files.
  - Click 'Export'.

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## MAINTENANCE

To ensure the longevity and optimal performance of your Behringer U-PHONE UFO202, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid using liquid cleaners or solvents, as

they may damage the finish or internal components.

- **Storage:** Store the device in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
  - **Handling:** Handle the device with care to prevent physical damage to the connectors or casing.
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## TROUBLESHOOTING

If you encounter issues with your UFO202, try the following troubleshooting steps:

- **No Sound/Distortion:**
    - Verify all cable connections (RCA, USB) are secure.
    - Check your computer's sound settings to ensure the 'USB Audio CODEC' is selected as the default recording device and the correct playback device is chosen.
    - In Audacity, confirm that the correct recording and playback devices are selected.
    - Adjust the recording level in Audacity. If the levels are too high, it can cause clipping and distortion. Aim for peaks between -6 dB and -2 dB.
  - **Hum or Buzz:**
    - Ensure your turntable's ground wire is properly connected to the GND terminal on the UFO202.
    - Try connecting your computer and audio equipment to different power outlets to avoid ground loops.
  - **Software Not Recognizing Device:**
    - Disconnect and reconnect the USB cable.
    - Restart your computer and Audacity.
    - Ensure your operating system is up to date.
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## SPECIFICATIONS

- **Item Weight:** 3.52 ounces
  - **Product Dimensions:** 3.46 x 2.36 x 0.87 inches
  - **Item Model Number:** UFO202
  - **Hardware Interface:** USB 2.0
  - **Supported Software:** iOS, Windows XP, Mac, Windows
  - **Operating System:** Mac, Windows
  - **Connectivity Technology:** USB
  - **Number of Channels:** 2
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## WARRANTY AND SUPPORT

For warranty information and technical support regarding your Behringer U-PHONE UFO202, please refer to the official Behringer website or contact their customer service directly. Details can typically be found in the product packaging or on the manufacturer's website.

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