

Tascam US-32

Tascam US-32 MiniStudio USB Podcasting Broadcast Audio Interface User Manual

Model: US-32

INTRODUCTION

The TASCAM MiNiSTUDIO Personal US-32 is a desktop online broadcast studio designed for podcasters, gamers, and online broadcasters. It features a professional-quality audio interface and real-time effects to enhance your audio productions.

This manual provides instructions for setting up, operating, and maintaining your US-32 MiniStudio, along with troubleshooting tips and product specifications.



Figure 1: The Tascam US-32 MiniStudio USB Podcasting Broadcast Audio Interface. This image provides a general overview of the device.

SETUP

Package Contents

Verify that all components are present:

- Tascam US-32 MiniStudio Unit
- USB Cable
- User Manual (this document)

Connecting the Device

The US-32 MiniStudio connects to your computer via a USB 2.0 cable. It can be powered by the USB bus or an optional 5V DC adapter for tablet use.

1. Connect the USB cable from the US-32 MiniStudio to an available USB port on your computer.
2. If using with a tablet or requiring external power, connect a 5V DC power adapter (not included) to the "DC IN 5V" port.
3. Ensure the POWER switch on the rear panel is in the "ON" position.



Figure 2: Rear panel connections of the Tascam US-32 MiniStudio. This image displays the power switch, USB 2.0 port for computer connection, and the DC IN 5V port for external power, typically used with tablets.

Software Installation

Before using the US-32 MiniStudio, install the necessary drivers and control software from the official Tascam website. The device supports ASIO/WDM for Windows and Core Audio for Mac.

1. Visit the official Tascam support website.
2. Locate the drivers and control software for the US-32 MiniStudio.
3. Download and run the installer, following the on-screen instructions.
4. Restart your computer if prompted.

OPERATING INSTRUCTIONS

Microphone Input Options

The US-32 MiniStudio offers versatile microphone input options:

- **XLR/TRS Input Jack:** For professional microphones, with switchable +48V phantom power for condenser microphones.
- **Built-in Condenser Mic:** For convenient, immediate use without external microphones.
- **4-pole Mini-jack:** For connecting earphone/microphone headsets.

Ensure appropriate input gain is set using the dedicated knob to achieve optimal audio levels without distortion.

PON Sound Effect Buttons

The three assignable PON buttons allow for instant playback of sound effects. The unit comes with pre-loaded effects like bell, buzzer, and applause. You can also customize these buttons with your own .wav or .mp3 audio files using the control software.

1. Open the US-32 MiniStudio control software on your computer.
2. Navigate to the PON button assignment section.
3. Double-click on a button in the software interface to select an audio file (.wav or .mp3) from your computer.
4. Once assigned, press the physical PON button on the unit to trigger the sound effect during your broadcast.

Real-time Voice Effects

The US-32 MiniStudio includes real-time voice effects accessible via the control software. These effects can modify your voice with pitch shifts, echo, shortwave radio effects, and studio-quality reverb.

- Access voice effects through the control software.
- Adjust parameters such as pitch, echo depth, and reverb type.
- The "ducking" effect can automatically lower background music when you speak.



Figure 3: Front panel of the Tascam US-32 MiniStudio. This image highlights the various control knobs for input levels, the three assignable PON sound effect buttons, and the prominent ON AIR button for broadcast control.

"ON AIR" Function

The "ON AIR" button integrates your voice and effects with other audio sources from your computer, such as music or video playback. Pressing this button activates the broadcast mix.

- Ensure all audio sources (microphone, computer audio, effects) are properly configured in the control software.
- Press the "ON AIR" button to begin broadcasting your mixed audio.

Monitoring Audio

The US-32 MiniStudio provides two headphone outputs for monitoring: a 1/4" output and a 1/8" output (marked "headset"). Both outputs share a single volume control.



Figure 4: Tascam US-32 MiniStudio in a typical usage scenario. The device is connected to a laptop, and headphones are plugged in, demonstrating its application in a broadcasting or podcasting setup.

MAINTENANCE

To ensure the longevity and optimal performance of your Tascam US-32 MiniStudio, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid abrasive cleaners, solvents, or waxes.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating. Do not block any vents.
- **Power Off:** Always power off the unit and disconnect it from the power source when not in use for extended periods or during electrical storms.

TROUBLESHOOTING

If you encounter issues with your US-32 MiniStudio, refer to the following common problems and solutions:

No Sound or Low Audio Output

- **Check Connections:** Ensure all cables (USB, microphone, headphones) are securely connected.
- **Volume Levels:** Verify that the input gain knobs on the US-32 and the master volume control are turned up. Check software volume settings on your computer.
- **Phantom Power:** If using a condenser microphone, ensure +48V phantom power is enabled for the XLR input.

- **Microphone Type:** Some high-end dynamic microphones may require an external preamp for optimal gain, as the built-in preamps might not provide sufficient amplification for all models.
- **Software Settings:** Confirm that the US-32 MiniStudio is selected as the default audio input/output device in your computer's sound settings and your broadcasting software.

Background Noise or Hum

- **Ground Loop:** Try connecting the computer and US-32 to the same power outlet or using a ground loop isolator.
- **Cable Quality:** Use high-quality, shielded cables for microphones and other connections.
- **Gain Staging:** Ensure input gain is set appropriately. Too high gain can amplify noise.
- **Environment:** Minimize electrical interference from other devices (e.g., fluorescent lights, power adapters).

PON Buttons or Effects Not Working

- **Software Running:** The PON buttons and voice effects require the Tascam control software to be running in the background.
- **Assignments:** Verify that sound files are correctly assigned to the PON buttons within the software.
- **Default Audio Device:** Ensure the US-32 is set as the default audio device, as some effects may route through it.

Device Not Recognized by Computer

- **USB Connection:** Try a different USB port or USB cable.
- **Drivers:** Reinstall the latest drivers from the Tascam website.
- **Power:** Ensure the unit is powered on. If using external power, verify the adapter is working.
- **Restart:** Restart your computer and the US-32 MiniStudio.

SPECIFICATIONS

Feature	Specification
Model Number	US-32
Item Weight	13.4 ounces
Product Dimensions	5.11 x 5.9 x 1.57 inches
Hardware Interface	USB
Connectivity Technology	USB
Number of Channels	4
Compatible Devices	Personal Computer
Supported Software	ASIO/WDM (for Windows), Core Audio (for Mac)
Operating System	Windows (and Mac via Core Audio)
Voltage	48 Volts (for phantom power)
Batteries	6 AA batteries required
Date First Available	May 6, 2016

Note: While specifications mention "6 AA batteries required," the primary power source for the US-32 is typically USB bus power or an optional 5V DC adapter. Please refer to the official Tascam documentation for definitive power requirements.

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact Tascam customer support directly or visit their official website. Keep your proof of purchase for warranty claims.

Tascam Official Website: <https://tascam.com/us/>