

Donner DAM1000

Donner DAM1000 10-Channel Analog Audio Mixer User Manual

Professional Analog Audio Mixer with LAXY-PRE Microphones, Phantom Power, and Bluetooth 5.3

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Donner DAM1000 10-Channel Analog Audio Mixer. Please read this manual thoroughly before using the product to ensure proper setup, operation, and maintenance. Keep this manual for future reference.

SAFETY INFORMATION

Always observe the following basic precautions to avoid electric shock, short-circuiting, damages, fire, or other hazards.

- **Power Supply:** Use only the specified power adapter. Ensure the voltage is correct for your region.
- **Grounding:** Do not defeat the safety purpose of the polarized or grounding-type plug.
- **Moisture:** Do not expose the unit to rain, moisture, or excessive humidity. Do not place containers with liquids on the unit.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Heat:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- **Cables:** Protect power cords from being walked on or pinched.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Phantom Power:** When using 48V phantom power, ensure microphones are compatible and connected correctly before activating.

PRODUCT OVERVIEW

The Donner DAM1000 is a versatile 10-channel analog audio mixer designed for high-fidelity sound reproduction in recording, live streaming, and performance environments. It features premium LAXY-PRE microphone preamps, 48V phantom power, Bluetooth 5.3 connectivity, and a 48kHz/24-bit sample rate for professional-grade audio.



Image: The Donner DAM1000 audio mixer showcasing its key specifications including 48kHz/24bit sample rate, 10-channel input, 105dB signal-to-noise ratio, and 0.01% total harmonic distortion.



Image: Detailed view of the four LAXY-PRE microphone preamps, highlighting their individual +48V phantom power switches and control knobs for gain, low cut, and channel level.

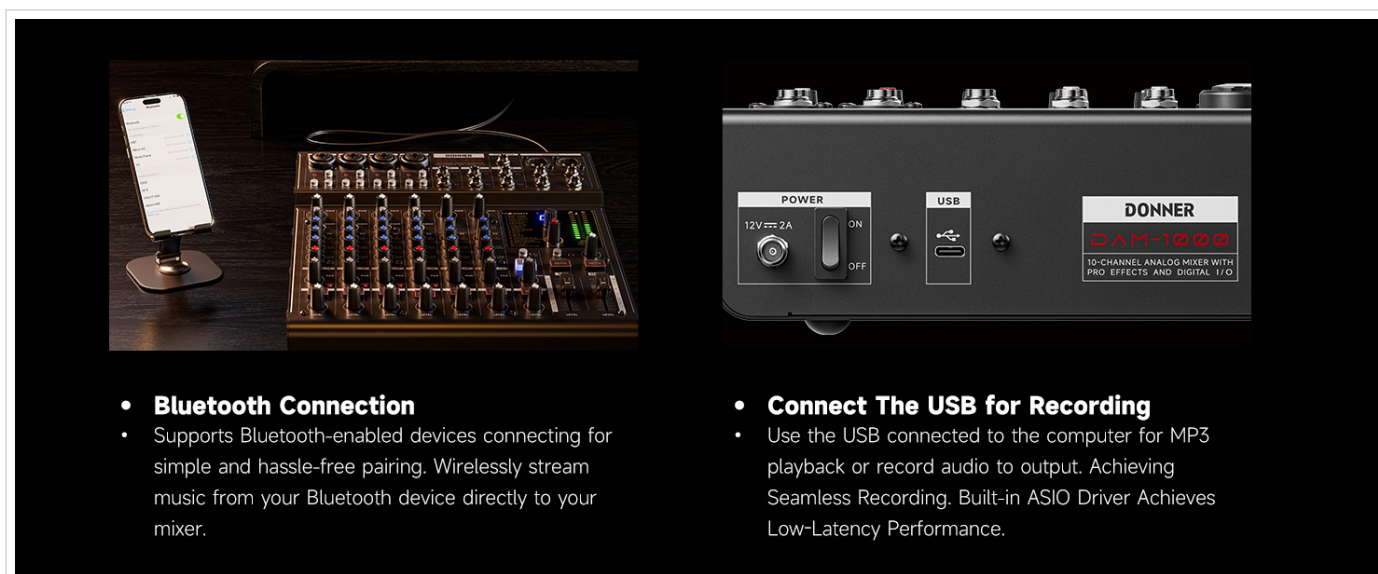


Image: The mixer's interface displaying the four discrete compressor knobs, which allow for precise, individualized dynamic control on each of the main input channels.

- **LAXY-PRE (Microphone Preamps)**
- Engineered for superior performance: the LAXY-PRE preamp provides higher output with exceptionally low noise.

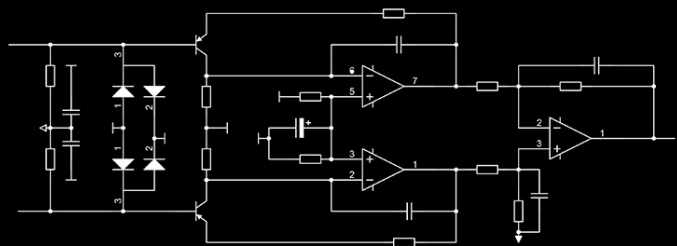


Image: A user operating the Donner DAM1000 mixer, with a smartphone displaying Bluetooth 5.3 connection settings, illustrating the mixer's wireless audio input capability.

SETUP

1. Unpacking and Inspection

Carefully remove the mixer from its packaging. Inspect the unit for any signs of damage that may have occurred during transit. Retain the packaging for future transport or storage.

2. Connecting Power

Connect the included power adapter to the 12V DC input on the rear panel of the DAM1000. Secure the connection if a screw-type connector is present. Plug the adapter into a suitable AC power outlet. Ensure the mixer's power switch is in the OFF position before connecting.

3. Connecting Microphones and Instruments

The DAM1000 features 4 LAXY-PRE microphone inputs (XLR/TRS combo jacks) and additional stereo line inputs.

- **XLR Microphones:** Connect XLR microphones to channels 1-4. If your microphone requires phantom power (e.g., condenser microphones), activate the individual +48V phantom power switch for that channel. Ensure the microphone is connected before activating phantom power.
- **Line Instruments:** Connect instruments or line-level devices (e.g., keyboards, guitar preamps) to the TRS inputs of channels 1-4 or the stereo line inputs (channels 5/6, 7/8, 9/10).

4. Connecting to a Computer (USB)

The DAM1000 can connect to a computer via its USB-C port for recording and playback. Use a USB-C cable to connect the mixer to your computer.

- **ASIO Driver:** For Windows users, install the dedicated ASIO driver from the Donner website for low-latency performance. Mac users typically do not require a separate driver.
- **Software Setup:** Select the DAM1000 as your audio input/output device in your Digital Audio Workstation (DAW) or recording software.



- **EQ & High-pass Filters**
- Provide precise balance for complete tone control. Its high pass filter can eliminate low-end noise, resulting in clearer and smoother mixing.



- **24 Types of DSP Effects**
- Provides 24 editable digital effects that can professionally enhance any mix, from clarifying speech to enriching live sound.

Image: A close-up of the rear panel of the Donner DAM1000, illustrating the 12V DC power input and the USB-C port for connecting to a computer for recording and playback.

5. Bluetooth Pairing

The DAM1000 supports Bluetooth 5.3 for wireless audio input.

- **Activation:** Press the Bluetooth button on the mixer. The indicator light will flash, indicating pairing mode.
- **Device Pairing:** On your Bluetooth-enabled device (e.g., smartphone, tablet), search for available devices and select "Donner DAM1000".
- **Connection:** Once paired, the Bluetooth indicator light on the mixer will become solid. You can now stream audio wirelessly to the mixer.
- **Disconnection:** To disconnect, press and hold the Bluetooth button until the light turns off, or disconnect from your device's Bluetooth settings.

OPERATING

1. Basic Mixing Controls

Each input channel (1-4) and stereo input (5/6, 7/8, 9/10) features various controls:

- **GAIN:** Adjusts the input sensitivity for the connected microphone or instrument. Set this to achieve a strong signal without clipping (indicated by the PEAK LED).
- **LOW CUT:** Activates a high-pass filter to remove unwanted low-frequency rumble.
- **EQ (High, Mid, Low):** Adjusts the tonal balance of the channel.
- **FX:** Sends a portion of the channel's signal to the internal digital effects processor.
- **LEVEL:** Controls the overall volume of the channel in the main mix.
- **PAN (Balance):** Positions the channel's sound in the stereo field (left to right).
- **MUTE:** Silences the channel.

2. Using Compressors

Channels 1-4 are equipped with independent compressors. The compressor knob adjusts the amount of compression applied to the input signal. Turn the knob clockwise to increase compression, which helps to smooth out dynamic peaks and add sustain. Monitor the PEAK LED to avoid over-compression.

3. Digital Effects (DSP)

The DAM1000 includes 24 types of DSP effects (e.g., reverb, delay). Use the FX section to select and apply effects.

- **Program Knob:** Rotates to select different effect programs.
- **Parameter Knob:** Adjusts a specific parameter of the selected effect (e.g., decay time for reverb, delay time for delay).
- **FX Level:** Controls the overall volume of the effects return in the main mix.



Image: A detailed view of the mixer's EQ and high-pass filter controls for precise tone shaping, alongside the digital signal processing (DSP) section which offers 24 distinct effects.

4. Monitoring

Connect headphones to the PHONES jack for monitoring the main mix. The PHONES LEVEL knob controls the headphone volume. The main output level is controlled by the MAIN MIX fader.

5. Recording

When connected to a computer via USB, the DAM1000 sends the main stereo mix to your recording software. Ensure your DAW is configured to receive audio from the mixer. Adjust channel levels and the main mix fader to achieve optimal recording levels.

MAINTENANCE

1. Cleaning

Regularly clean the mixer with a soft, dry cloth. Do not use liquid cleaners, abrasive materials, or solvents, as these can damage the finish and internal components. Keep dust out of faders and knobs.

2. Storage

When not in use for extended periods, store the mixer in a cool, dry place, away from direct sunlight and extreme temperatures. If possible, use the original packaging for protection.

TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
No sound output	Power not connected; Main mix fader down; Channel level down; Mute engaged; Output cables disconnected or faulty.	Check power connection; Raise MAIN MIX fader; Raise channel LEVEL knobs; Disengage MUTE; Check all output cable connections.
No sound from a specific channel	Channel level down; Mute engaged; GAIN too low; Input cable faulty; Phantom power not activated (for condenser mics).	Raise channel LEVEL; Disengage MUTE; Increase GAIN; Check input cable and source; Activate +48V phantom power if needed.
Hum or noise in audio	Ground loop; Faulty cables; Nearby electrical interference; Improper gain staging.	Ensure all equipment is properly grounded; Try different cables; Move mixer away from power sources; Adjust GAIN levels to avoid clipping or excessively low signals.
Bluetooth connection issues	Mixer not in pairing mode; Device too far; Interference; Already connected to another device.	Ensure Bluetooth button is flashing; Move device closer; Avoid other wireless devices; Disconnect from other devices and try pairing again.
Severe background noise via USB to PC	Ground loop with PC; USB cable quality; Driver issues; PC power supply noise.	Try a different USB port or cable; Ensure PC is properly grounded; Install/reinstall ASIO driver; Consider a USB isolator if noise persists.
Effects not audible	FX knob on channel turned down; FX Level knob turned down; Incorrect effect program selected.	Increase FX knob on desired channel; Increase FX Level knob; Select a different effect program.

SPECIFICATIONS

- **Model:** DAM1000
- **Number of Channels:** 10
- **Audio Inputs:** 10
- **Connectivity Technology:** Bluetooth 5.3, USB
- **Sample Rate:** 48 kHz / 24-bit
- **Signal-to-Noise Ratio (SNR):** 105dB
- **Total Harmonic Distortion + Noise (THD+N):** -80dB (Ultra-low)
- **Microphone Preamps:** 4 x LAXY-PRE with 48V Phantom Power
- **Compressors:** 4 independent channel compressors
- **Digital Effects:** 24 types of DSP effects
- **Chassis:** All-metal
- **Parcel Dimensions:** 39.2 x 31.8 x 11.6 cm
- **Weight:** 2.8 kg
- **Country of Origin:** China

WARRANTY AND SUPPORT

Warranty Information

The Donner DAM1000 comes with a **1 Year Manufacturer Warranty**. Please retain your proof of purchase for warranty claims. This warranty covers defects in materials and workmanship under normal use.

Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Donner customer support through their official website or the retailer where the product was purchased. You can often find support contact information on the manufacturer's website: www.donnerdeal.com