DIGITECH Audio

User Manual

AM-4208

Mini 3 Channel Mixer with USB Interface

Main Features

- Ultra-compact and ultra-low noise analog mixer with USB/Audio interface
- Powered through USB or external adaptor
- Built-in stereo USB/Audio interface to connect directly to your computer
- Free audio recording and editing
- State-of-the-art Mic Preamp comparable to stand-alone boutique preamps
- 2-band graphic EQ for warm and musical sound
- 2-Track input assignable to Headphone or Main Mix output
- Main Mix plus separate Phones output
- High-quality components and exceptionally rugged construction.

Technical Specifications:

- Runs on phantom power
- Operating System: Windows® 2000, XP® or higher, Mac® OS 9.0.4 or higher, 10.X or higher.
- Power supply: USB connection, adaptor (DC5V, 500mA supplied)
- Power consumption: 2.5W
- Dimension: 144(L) x 100(W) x 42(H)mm
- Weight: 0.45Kg

Box Contents:

- 1 x Mini 3 Channel Mixer
- 1 x Mains Power Adaptor
- 1 x USB Lead

IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions.
- Keep these instructions. Heed all warning.
- Follow all instructions.
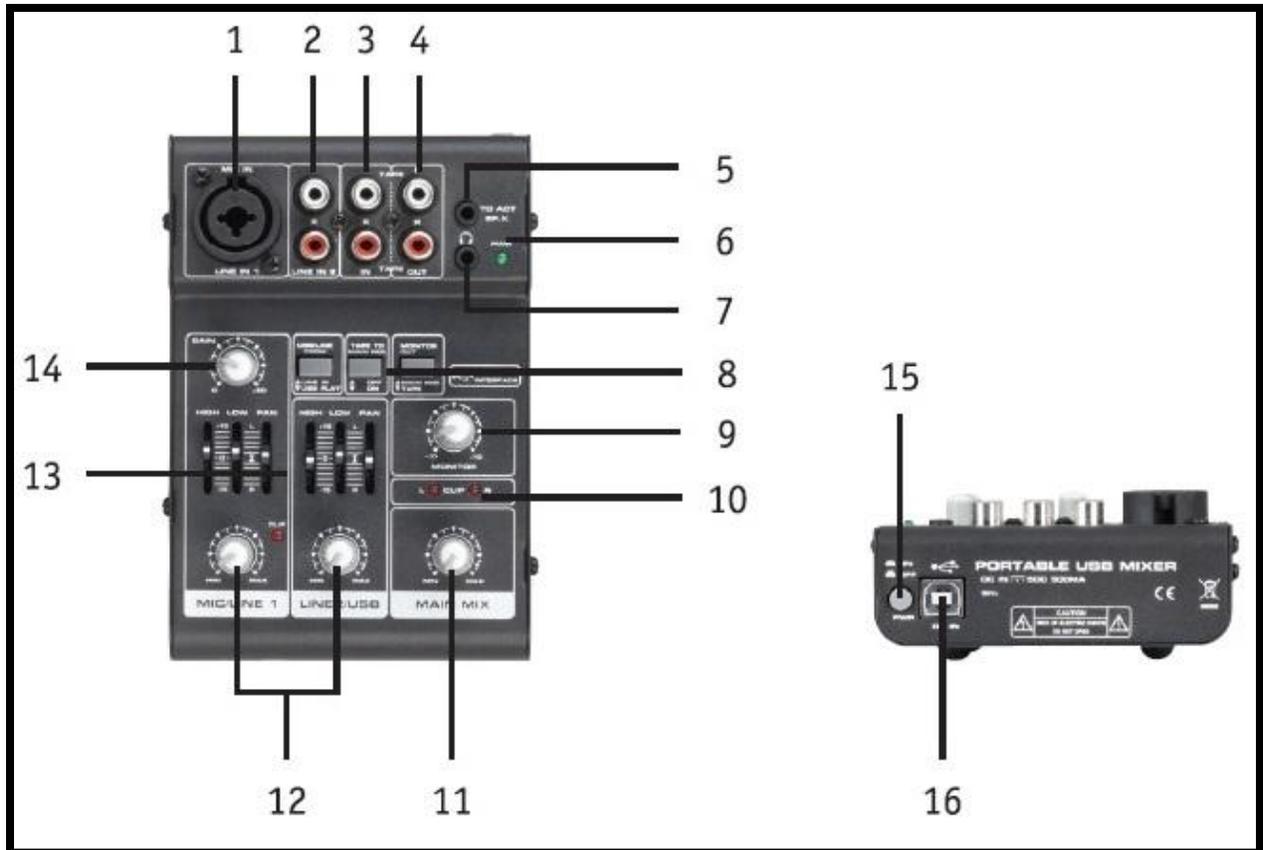
1	Line 1 / Mic Input	9	Monitor Output Level Control
2	Line 2 Input	10	Clipping Indicators
3	Line 3 Input	11	Main Output Level Control
4	Line 3 Output	12	Line Input Level Control
5	Main Input	13	Balance and EQ Level Control
6	Power Indicator	14	Line 1 / Mic Input Level Control
7	Monitor Output	15	Power Switch
8	Input / Output Function Switches	16	USB / Power Input

AM-4208 Hook-up
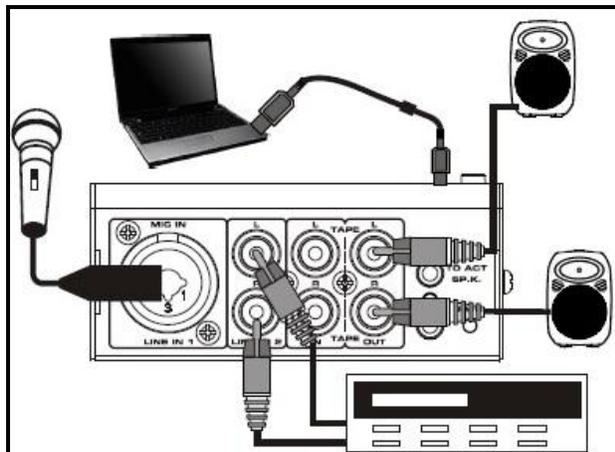
Karaoke using DVD player or computer
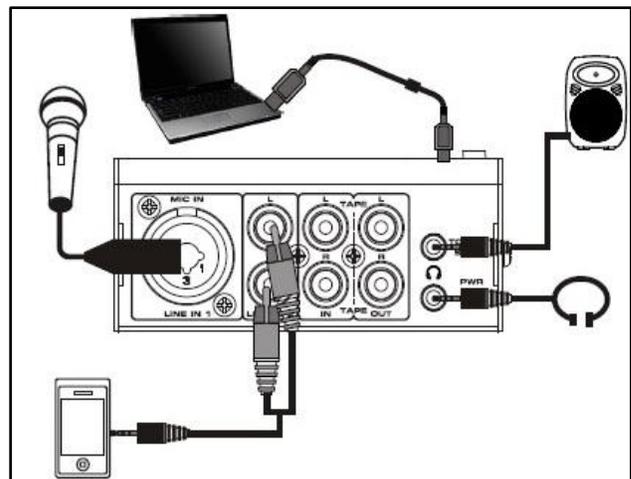
Podcasting
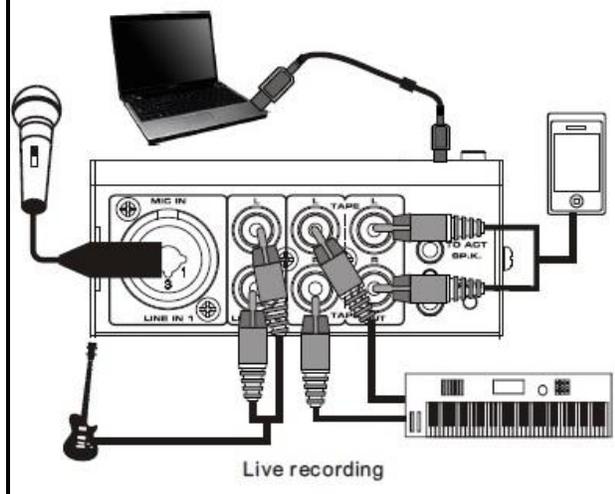
Live recording
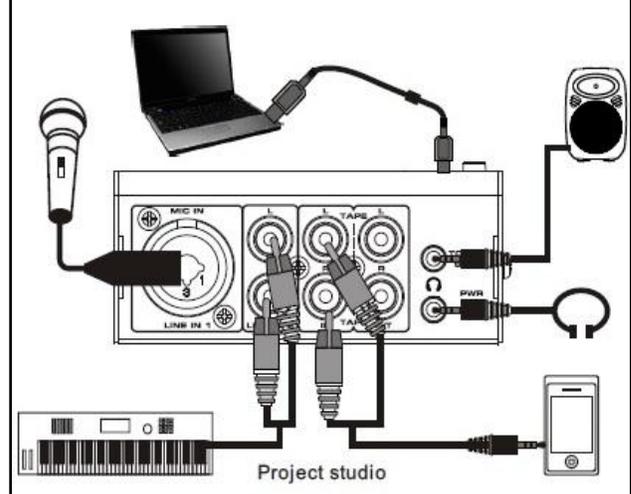
Project studio

Caution

There are no user serviceable parts inside this speaker. Do not attempt any repairs. Doing so will void your manufactures warranty.

Unpacking

Every AM-4208 has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged; inspect your units carefully for any damage and be sure all accessories necessary to operate the system have arrived intact. In the event while damage has been found or parts are missing, please contact our customer support number for further instructions.

Water & Moisture
The apparatus should be protected from moisture and rain, cannot be used near water, for example: near bath- tub, kitchen sink or a swimming pool, etc.

Heat
The apparatus should be located away from the heat source such as radiators, stoves or other appliances that produce heat.

Ventilation
Do not block areas of ventilation opening. Failure to do could result in fire. Always install accordance with the manufacturer's instructions.

Object and Liquid Entry
Objects do not fall into and liquids are not spilled into the inside of the apparatus for safety.

Power Cord and Plug
Protect the power cord from being walked-on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

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 is provided for your safety. If the provided plug does not fit into your outlet, refer to electrician for replacement.

Power Supply
The apparatus should be connected to the power supply only of the type as marked on the apparatus or described in the manual. Failure to do could result in damage to the product and possibly the user.

Unplug this apparatus during lightning storms or when unused for long periods of time. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

Fuse
To prevent the risk of fire and damaging the unit, please use only of the recommended fuse type as described in the manual. Before replacing the fuse, make sure the unit turned off and disconnected from the AC outlet.

Electrical Connection
Improper electrical wiring may invalidate the product warranty.

Cleaning
Clean only with a dry cloth. Do not use any solvents such as benzol or alcohol.

Servicing
Do not implement any servicing other than those means described in the manual. Refer all servicing to qualified service personnel only.

Only use accessories/attachments or parts recommended by the manufacturer.

Technical Specifications

Type	3 Channel USB Mixer	
Frequency Response	Min. input to any output (gain @ 0dB, rated output level)	10Hz to 40kHz (0, -1dB) 10Hz to 100kHz (0, -3dB)
Distortion (THD&N)	Mic input to MAIN output (gain @ 0dB, rated output level @ 20Hz – 20kHz bandwidth)	0.01% (A-weighted)
MIC EIN (Equivalent Input Noise)	Input: Channel Input MIC (Rs=150 Ω, gain @ max., 20Hz – 20kHz bandwidth)	-118dB (A-weighted)
CMRR	Mic in to main out (gain @ max., @ 1kHz)	70dB
Input Gain (20Hz- 20kHz)	Mono Channel	Mic: 0 to 50dB, LINE: -35 to +15db
	Stereo Channel	
Attenuation (Crosstalk) (20Hz-20kHz)	Line in, 1/4" TRS Main Out, 1kHz relative to 0dB, 22Hz – 22kHz Filter, gain @ unity.	
	Main mix knob /fader @ - ∞, channel level knob /fader @ -∞	-79dB (A-weighted) -79dB (A-weighted)
	Main mix knob/fader @ 0dDB, 1kHz, 22Hz-22kHz filter, THD @ 1%)	+17dB
Rated output level		
Maximum voltage gain (EQ and PAN/BAL knob @ 0dB, other all knob or fader @ max, 1kHz, Rs=600Ω)	Mono channel mic input Main out (3.5 jack stereo)	69dB
	Mono channel mic input Monitor (3.5 jack stereo)	78dB
	Mono channel mic input Tape out (RCA)	69dB
	Mono channel line input Main out (3.5 jack stereo)	53dB
	Stereo channel line input Main out (3.5 jack stereo)	16dB
	Tape input Main out (3.5 jack stereo)	6dB
	Tape input Monitor (3.5 jack stereo)	9dB
Main mix noise (20Hz – 20kHz)	Main out (all knob/fader @ 0 dB, 22Hz-22kHz filter gain @ unity)	
	Main mix knob /fader @ - ∞, channel level knob /fader @ -∞	-120 dB (A-weighted)
	Main mix knob /fader @ 0dB, channel level knob /fader @ -∞	-100dB (A-weighted)
	Main mix knob /fader @ - ∞, channel level knob /fader @ 0dDB	-98dB (A-weighted)
Equalisation	Mono channels	Stereo channels
	High ±15dB@12kHz	High ±15dB@12kHz
	Low ±15dB @80kHz	Low ±15dB @80kHz

Peak Indicator	Channel 1	+15dDB
VU Meters	Main left and right (1-segment)	Clip+15dB
Impedance	Microphone input	2.6kΩ
	Line input	10kΩ
	Tape input	10kΩ
	Main outputs	120kΩ
	Phones output	120kΩ
	Tape output	1kΩ
USB section	USB interface	USB2.0
	ADC&DAC	16 bit delta sigma, 44.1kHz sampling rates
	Operating system	Windows® 2000, XP or higher, Mac® OS 9.0.4 or higher 10.x or higher
Phantom power	Mic pin 2/pin3 and pin1 (XLR-3-31 type balanced 1=GND, 2=HOT, 3=COLD)	+20V
Power supply	USB connection	DC5V, 500mA
	Adaptor	DC5V, 500mA
Power consumption	2.5W	
Physical	Dimensions	144(L) x 100(W) x 42(H)mm
	Weight	0.45kg

IMPORTANT SAFETY SYMBOLS

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

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.

The symbol is used to indicate that some hazardous live terminals are involved within this apparatus, even under the normal operating conditions, which may be sufficient to constitute the risk of electric shock or death.

The symbol is used in the service documentation to indicate that specific component shall be replaced only by the component specified in that documentation for safety reasons.

Protective grounding terminal

~ Alternating current/voltage   ON: Denotes the apparatus is turned on

⚡ Hazardous live terminal   OFF: Denotes the apparatus is turned off.

WARNING: Describes precautions that should be observed to prevent the danger of injury or death to the operator.

CAUTION: Describes precautions that should be observed to prevent danger of the apparatus.