

MS1202-VLZ

12 X 2 MICRO SERIES MIC/LINE MIXER

Mackie's MS1202-VLZ is the updated, upgraded version of our classic 12-channel compact mic/line mixer. The original MS1202 earned a seemingly unbeatable reputation as the small



mixer with the best price/features ratio, and for being as solid as a rock. The MS1202-VLZ adds more features and flexibility to what was already one formidable product.

That's why *New Media Magazine* gave the MS1202-VLZ its Hyper Award for Best Audio Hardware:

"The new 1202-VLZ mixer is the pinnacle of Mackie's legendary ability to pack great sonic performance, durability and lots of features into a small size for a low cost. ...[It] is the hottest performer we've ever seen..."

— New Media,
January 1996

Features you want.

Low noise and high headroom are important for clear, dynamic mixes. No matter what your application, the MS1202-VLZ's Very Low Impedance architecture – based on that of our large 8-Bus consoles – delivers professional sound.

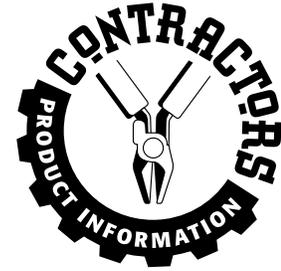
For the same reasons, the mic preamps Mackie uses are studio-grade, low noise/high-headroom inputs. Plus, 48V

phantom power gives you full compatibility with your favorite microphones – dynamic or condenser.

To rid your mics of wind noise and mic thumps, each of the four mic channels has a Low Cut Filter that eliminates subsonic noise. Lo shelving EQ can now be used for the upper low frequencies, instead of as a makeshift low frequency cut-off.

To make level-setting simple, the MS1202-VLZ has PFL Solo on every channel. That, along with the Level Set Marker at the 1202's ultra-sensitive L/R LEDs, lets you take advantage of our VLZ design and maximize headroom.

Don't have room for an outboard equalizer? The



RELATED PRODUCTS

RM1202-VLZ
RACKMOUNT BRACKETS

MORE INFORMATION

MS1202-VLZ ARCHITECTS'
& ENGINEERS'
SPECIFICATIONS

"IN YOUR FACE"
ALL-PRODUCT BROCHURE

FEATURES

- 4 low noise/high headroom XLR mic inputs (–129.5dBm E.I.N.)
- 4 balanced/unbalanced mono line inputs
- 4 balanced/unbalanced stereo line inputs
- 48V phantom power
- 3-Band EQ (12kHz, 2.5kHz, 80Hz)
- Low Cut Filter on channels 1-4
- PFL Solo on every channel
- Very Low Impedance architecture
- EFX to Monitor switch
- Balanced inputs and outputs (except RCAs, phones and inserts)
- Balanced XLR Main L/R outputs with mic/line level switch
- 1/4" main outputs
- 60dB Gain on chs. 1-4
- Global Aux 1 Pre/Post switch
- Level Setting Marker

MACKIE®

MS1202-VLZ's musical 3-band EQ will take care of it. We chose 12kHz, 2.5kHz and 80Hz to make our EQ more practical to the needs of today's sound engineers – not those of thirty years ago.

Flexibility you need.

The MS1202-VLZ is loaded with flexible mixdown and monitor routing possibilities.

Mute/Alt 3-4 is a dual-purpose feature: Normally, the mute button on each channel acts that way – as a mute. But when the Alt 3-4 outputs are in use, the button acts as a router to the 3-4 stereo bus. You can create two stereo pairs for 4-track recording or for an extra monitor or cry room mix.

EFX to Monitor lets you blend reverb or other effects back into a monitor mix via Aux Send 1.

Aux 1's Pre/Post switch lets you set it for pre-fader/post-EQ use – great for stage monitor mixes, or post-fader/post-EQ, which is handy for studio effects. It also has a level control for added flexibility.

Control Room/Phones has its own level control and separate outputs, allowing you to select any combination of Main Mix, Tape In and Alt 3-4 so you can create custom headphone mixes, monitor tape levels, and more. A separate switch routes this multi-source signal back into the Main Mix.

Balanced XLR Main Outputs – which are switchable to mic or line level – make it easy to use the MS1202-VLZ with professional audio and video equipment. Main outputs are also available at 1/4" jacks. And of course, all the

mixer's inputs and outputs are balanced (except channel inserts, phones and RCA jacks). You can also use unbalanced cables if need be.

Durable and solid.

Greg Mackie designed the MicroSeries 1202-VLZ the same way he designs every Mackie mixer: to stand up to non-stop, 24 hour-a-day professional duty. In broadcast and PA applications, TV and radio production studios, video post suites – wherever a high quality compact mixer is desired.

Sealed, co-molded rotary controls keep the MS1202-VLZ free from airborne dust and contamination better than the open-frame phenolic pots others use. Mackie's pots provide minimal contact noise, and their design – along with the energy-absorbing way they're mounted to the mixer – helps prevent impact damage.

Along with its steel chassis and thru-hole-plated

fiberglass circuit boards, the MicroSeries 1202-VLZ also features a built-in power supply instead of a "wall wart." Not only does this eliminate the inevitable hassles of dealing with external power supplies, it also reduces hum. The tiny transformers in wall warts waste more energy, and can introduce additional hum into the mix. Not so with our built-in power supply. It introduces far less noise – and far less trouble.

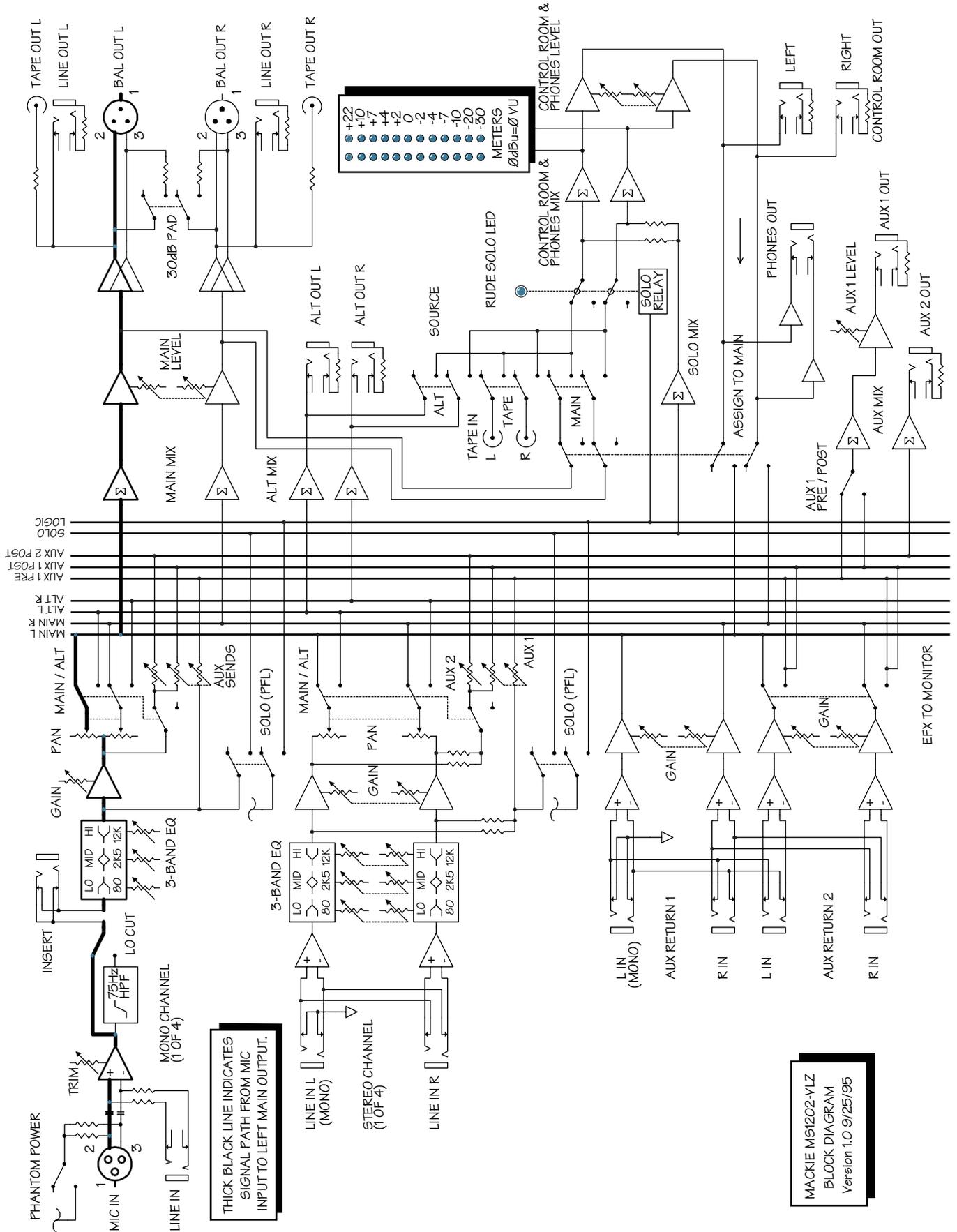
RFI protection is implemented with circuitry and construction that makes the MS1202-VLZ virtually impervious to RF interference in high-energy environments.

Any place, any time, anywhere.

The MS1202-VLZ can be used continuously in all kinds of places by all kinds of people: TV and radio stations, video production houses, touring sound companies, big-studio engineers and corporate



Block Diagram



LOGIC
 SOLO
 AUX 1 POST
 AUX 2 POST
 AUX 1 PRE
 MAIN L
 MAIN R
 ALT L
 ALT R

PHANTOM POWER
 TRIM L
 MIC IN
 LINE IN
 MONO CHANNEL (1 OF 4)
 75Hz HPF
 LO CUT
 3-BAND EQ
 LO MID HI
 2K5 12K
 80
 INSERT
 PAN MAIN / ALT
 GAIN
 MAIN / ALT
 AUX SENDS
 SOLO (PFL)
 MAIN / ALT
 GAIN
 PAN
 AUX 2
 AUX 1
 SOLO (PFL)
 LINE IN L (MONO)
 STEREO CHANNEL (1 OF 4)
 LINE IN R
 3-BAND EQ
 LO MID HI
 2K5 12K
 80
 3-BAND EQ
 LO MID HI
 2K5 12K
 80
 L IN (MONO)
 AUX RETURN 1
 R IN
 L IN
 AUX RETURN 2
 R IN
 EFX TO MONITOR
 GAIN
 GAIN
 GAIN
 GAIN
 SOLO MIX
 ASSIGN TO MAIN
 PHONES OUT
 LEFT
 RIGHT
 CONTROL ROOM OUT
 CONTROL ROOM & PHONES LEVEL
 CONTROL ROOM & PHONES MIX
 RUDE SOLO LED
 SOURCE
 ALT
 TAPE L
 TAPE R
 MAIN
 MAIN MIX
 MAIN LEVEL
 30dB PAD
 BAL OUT L
 LINE OUT L
 BAL OUT R
 LINE OUT R
 TAPE OUT L
 TAPE OUT R
 ALT OUT L
 ALT OUT R
 SOLO RELAY
 AUX 1 PRE / POST
 AUX MIX
 AUX 1 LEVEL
 AUX 1 OUT
 AUX 2 OUT

•	+22	•	+7	•	+2	•	0	•	-2	•	-4	•	-7	•	-10	•	-20	•	-30
METERS																			
0dBu=0VU																			

in-house A/V departments. Because of its many features and durability, the MS1202-VLZ can be used for extra studio-grade preamps, as aux inputs for a mixing console, or as an impedance- or level-matching audio toolkit.

It's hard to imagine a place where Mackie's MS1202-VLZ would not be welcome. Its great sound, multiple features and built-like-a-tank construction – not to mention compact size and price – make it the mixer of choice with just about everybody.

SPECIFICATIONS

Signal-to-Noise Ratio:

90dB, ref. +4dBu
(all channels assigned, panned left/right)

Mic preamp equivalent input noise (E.I.N.):

-129.5dBm @ 150 ohms

Maximum gain (mic in to main out):

96dB (to balanced out)
90dB (to unbalanced out)

Frequency response:

20Hz to 60kHz, +0/-1dB
(mic input to any output)

Distortion (THD):

Less than .005% (any output, 1kHz @ +14dBu, 20Hz-20kHz, channel input)

Equalization:

Low: ± 15dB @ 80Hz
Mid: ± 12dB @ 2.5kHz
Hi: ± 15dB @ 12kHz

Maximum output level:

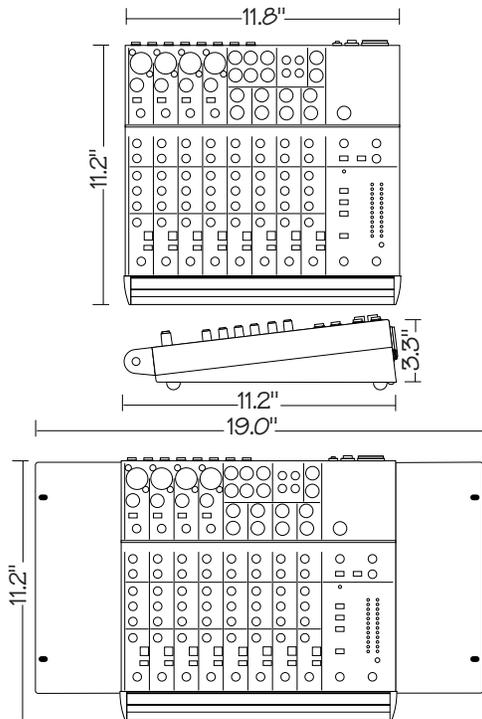
+28dBu balanced
+22dBu unbalanced

Power Consumption:

120VAC, 50/60Hz, 25 watts

Weight:

6.5 lbs. (2.95 kg)



MACKIE®

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Mackie Designs Inc. is engaged in a continuous program of product evaluation and improvement and reserves the right to change product specifications at any time without notice.

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