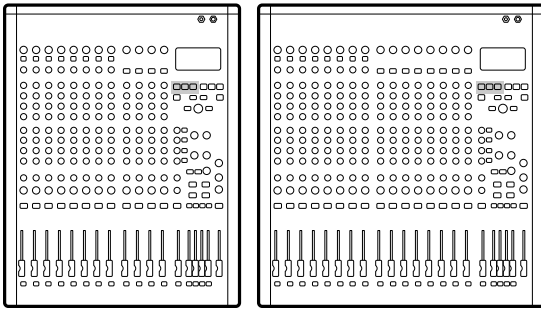


KORG

SoundLink



HYBRID
Analog/Digital Mixers

MW-1608

MW-2408

Quick Start Guide

Thank you for choosing a KORG SoundLink Series mixer. You have made an excellent choice.

We're eager to help you get the most from this superb creative tool, which is why we have created a short guide to get you started right away.

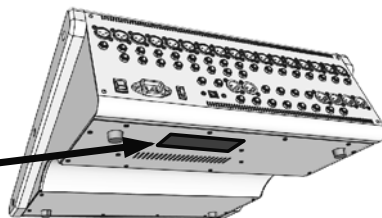
But it is also *very important* that you **download and read the full MW-1608/MW-2408 User manual**. Written in an easy-to-understand, non-technical style, it will help you understand and use all of the features of your MW mixer.

SoundLink Mixers feature

- ▶ **Unique hybrid analog-digital-analog signal path** gives you the Simplicity of Analog + the Complete Power of Digital.
- ▶ **Classic, natural, analog sound** from Peter Watts, one of the original designers of legendary 80's Trident recording studio consoles.
- ▶ **Greg Mackie's practical design structure and ingenious features** that make mixing unpredictable live performances easy for even novices including.
- ▶ **True 8-bus configuration with Group Outputs** makes SoundLink perfect for recording as well as live mixing.
- ▶ Warm, natural mic preamps with the Peter Watts touch, and the *most headroom* of any comparably-priced analog or digital mixer... delivered from 16.5V internal voltage — on mono *and* stereo channels.
- ▶ **Best Automatic Feedback Control** of any compact mixer. This design really works!
- ▶ Only mixer in its class with **Mute Groups** for flexible input combinations at the touch of a button.
- ▶ **Recording-console-quality compression** with one knob instead of complicated settings.
- ▶ Unique **Paragraphic Equalizer** gives access to 31 frequency bands with just 9 controls.
- ▶ **Special Musician Monitor Section** with "Musician's Phones" control feature.
- ▶ **Korg's renowned 32-bit digital effects** — 10 at once! Few manufacturers have spent as much time perfecting realistic digital effects as Korg. In fact, we're famous for them.
- ▶ **Velvet Sound brand A/D & D/A converters**. Ranked by "golden ear" audio aficionados as among the most preferred converters for mega-expensive DACs, Velvet Sound gives SoundLink natural purity and very low 0.004% (!) distortion.
- ▶ **Premium internal components** including silky-smooth, long-life ALPS faders and rotary controls.

Important Safety Instructions

This product complies with IEC62368-1 safety standards. Safety indication label is located on the bottom panel of the unit.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the device.

1. Read and keep these instructions.
2. Heed all warnings.
3. Follow all instructions.
4. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
5. Do not use this apparatus near water.
6. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
7. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus.
8. 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 are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.



10. 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.

11. Unplug this apparatus during lightning storms or when unused for long periods of time.
12. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
13. **WARNING:** The apparatus must be connected to an AC power output (MAINS) with a protective grounding (earthing) connection.
14. Where a main AC connection (MAINS) or appliance coupler, such as power strip is used as the disconnect device, the disconnect device shall remain readily operable.
15. Only use attachments/accessories specified by the manufacturer.
16. Clean only with dry cloth.
17. This product must be disposed of correctly.



This symbol indicates that this product must not be disposed of with household waste, according to the WEEE Directive (2012/19/EU) and/or your national or regional law. This product

should be taken to a collection center licensed for the recycling of electronic waste and electronic equipment (EEE). The mishandling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the efficient use of natural resources. For more information concerning EEE recycling, contact your local city office or your household waste collection service.

FCC Compliance

Supplier's Declaration of Conformity (for USA)

Responsible Party:

KORG USA INC

Address:

316 S. SERVICE RD. MELVILLE, NY

Telephone:

1+ 631-390-6500

Equipment Type:

HYBRID ANALOG/DIGITAL MIXER

Model:

MW-2408 / MW-1608

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference; 2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in both a commercial and residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- When connecting this mixer to another product use only quality shielded cables.
- Use AC power outlets (MAINS) that are on a different branch circuit (circuit breaker or fuse), or employ a power filter/conditioner.
- Consult the dealer or an experienced radio/TV technician for help.

Unauthorized changes or modification to this system can void the user's authority to operate this equipment.

⚠ First, set correct input levels!

Level Setting Procedure...Eight Simple Steps

This procedure is **so important** that we put it on the page **before** the usual diagrams of various parts of the mixer or sample connection diagrams. It's that critical!

Correctly setting each channel's GAIN control achieves the maximum amount of signal "headroom" before distortion and the least possible amount of noise.

EXTRA INFO

- Set a channel's **GAIN** too low and there will be noise (hiss) in that channel, even when no voice or instrument is present.
- If **GAIN** is set too high, the signal will distort and sound scratchy when the singer or instrument gets very loud.

You will need:

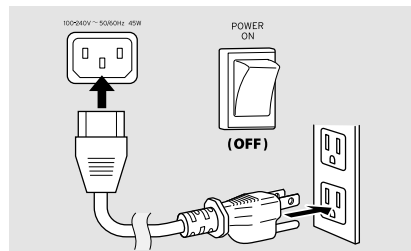
- Your new mixer
- Sound source such as microphone, guitar, drum kit, keyboards, music player, etc. — in

short, whatever gear you will be using during a sound mixing or recording session

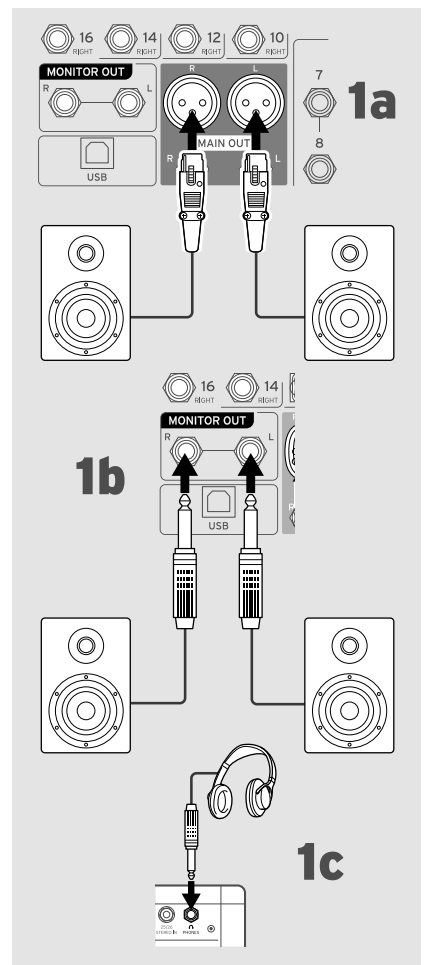
- The right cables to hook your sound sources to the mixer (We go into more detail about connectors later on)
- Two monitor speakers or headphones

Let's begin.

- 1 Plug the SoundLink mixer into a wall socket.

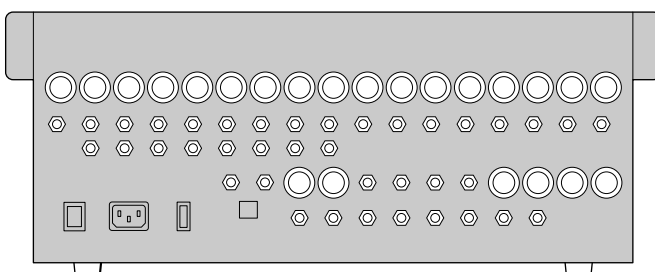
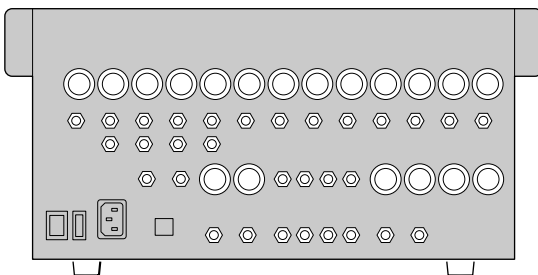


- 2 Connect monitor speakers to the SoundLink mixer rear panel **MAIN OUT (1a)** or **MONITOR OUT (1b)** jacks, or plug headphones into the **PHONES** jack (1c).



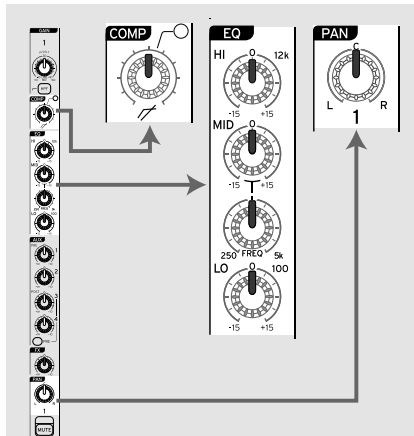
Continued on the next page

Information in this guide applies to both the MW-1608 and MW-2408 mixers

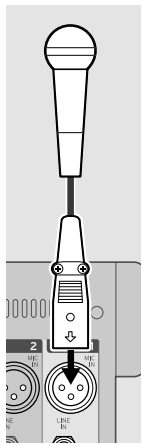


⚠️ Eight Steps to Setting Correct Input Levels (continued)

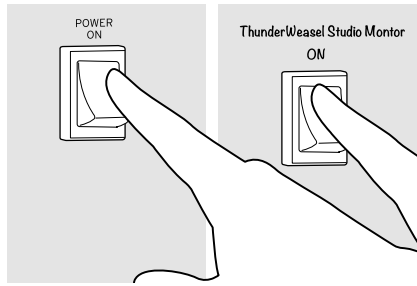
3 Make sure that Channel 1's **PAN**, **COMP**, and all four EQ knobs are set to the center (12 o'clock) position.



4 Plug a microphone or other audio source into the first channel's rear panel **MIC IN** socket.

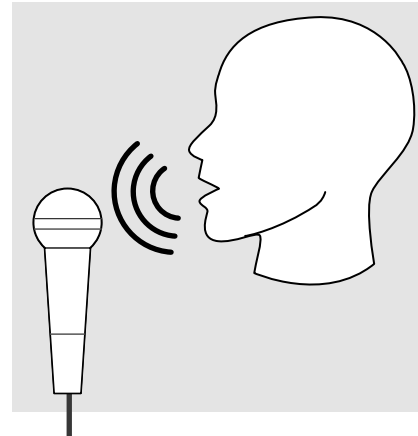


5 Turn **ON** the mixer's rear panel **POWER** switch. **Then** turn on and your monitors or their power amp.

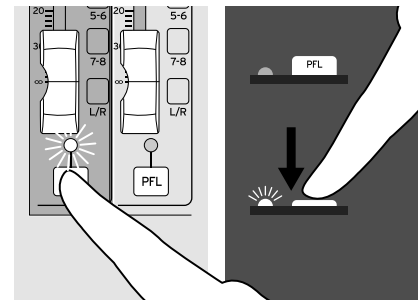


EXTRA INFO • Trying to set levels by saying "Testing 1, 2, 3" into the mic doesn't really work. Instead, sing some vocals or play an instrument at a realistic level. Hit a cymbal, tom or kick drum as hard as the drummer will during the performance; jam on that guitar; honk that sax; make sure keyboard output level is set at normal output.

6 Sing into the mic or play an instrument at the volume the musician or presenter will be using during a performance.

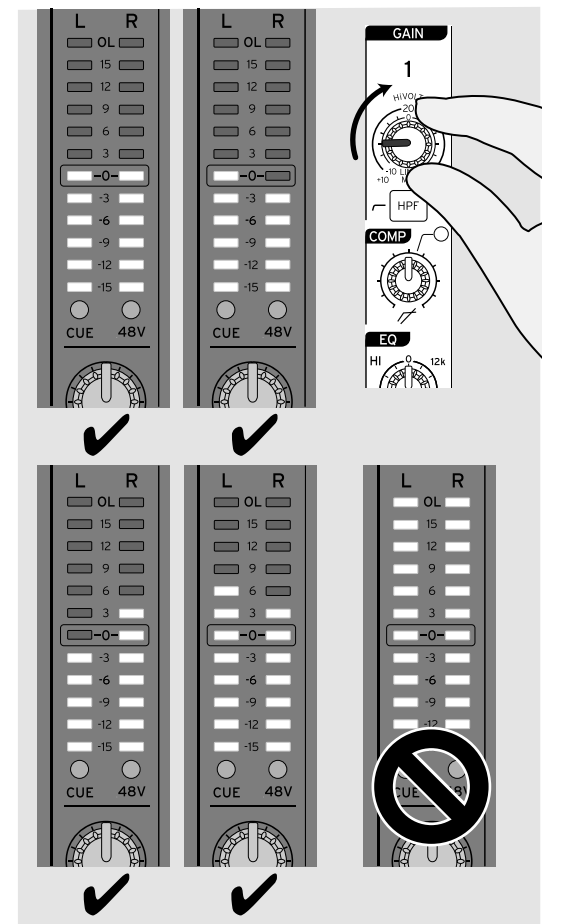


7 Press Channel 1's **PFL** button. The red LED just above the button should light up.



8 While watching the Main Level Display at the right of the mixer, turn Channel 1's **GAIN** knob clockwise until the **first six LEDs** on the Level Display (5 green, 1 orange) light up regularly.

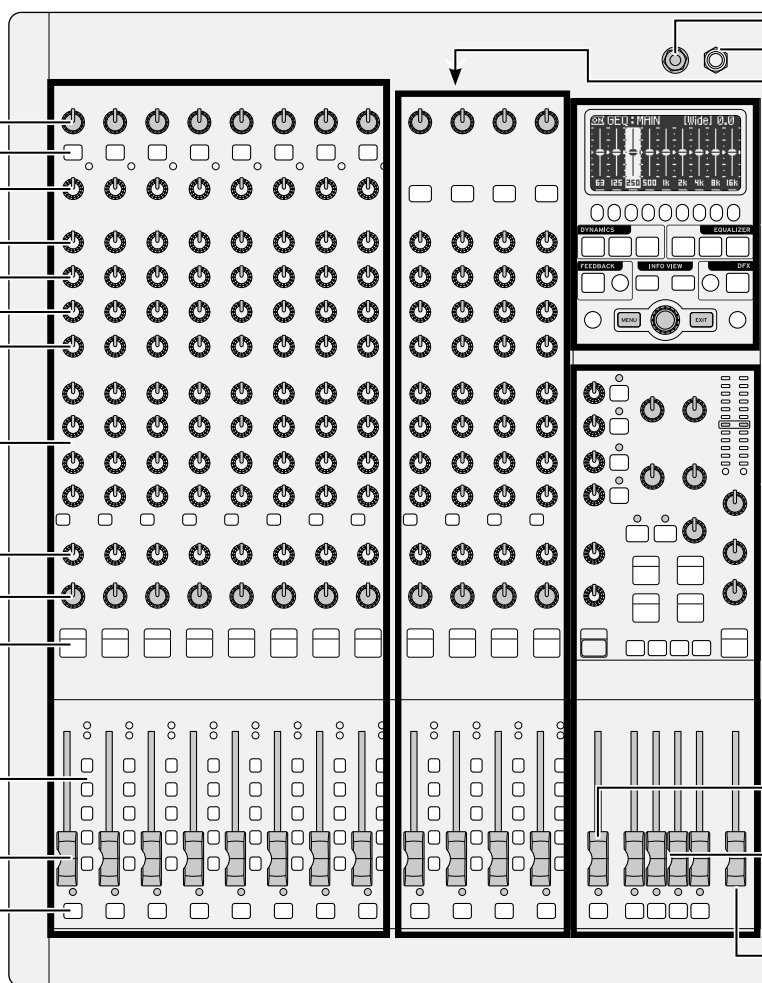
It's OK if the next LED above 0 flickers occasionally...but not very often.



A Brief Guided Tour of Your New Mixer

Mono Input Channel Strips. Each vertical strip has the same controls:

- Input Gain
- High Pass Filter
- 1-knob Compression
- Hi frequency EQ
- Midrange EQ Amount
- Midrange EQ Band Center
- Low-frequency EQ
- AUX sends, 2 pre-fader, 2 post-fader switchable to pre-fader
- Amount of digital effects
- PAN (sort of like a balance control)
- Channel MUTE button
- Bus Assign switches send the channel to one of the four stereo buses or main Left/Right
- 60mm ALPS channel fader
- PFL (Pre-Fader Listen)



1/8" Stereo Input Headphone Jack

Stereo Input Channel Strips.

The same controls as the Mono channel strips except that the Stereo channels have a Mic/Line switch instead of a High Pass Filter, and High, High Mid, Low Mid and Low frequency EQ.

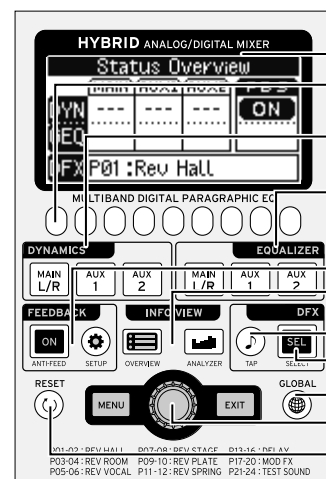
Digital Section. Here you can control, save and recall the MW mixer's superb digital processing and effects, including Paragraphic EQ, a Feedback Suppressor that really works, and 16 Korg digital effects... plus 4 custom combinations and a test tone. There's even a Spectrum Analyzer display to help you visualize the frequency distribution of your mix.

Master Control Section is the "nerve center" of the mixer and is explained in greater detail at right.

FX Return fader adjusts the volume of the effects sent through the Main L/R bus.

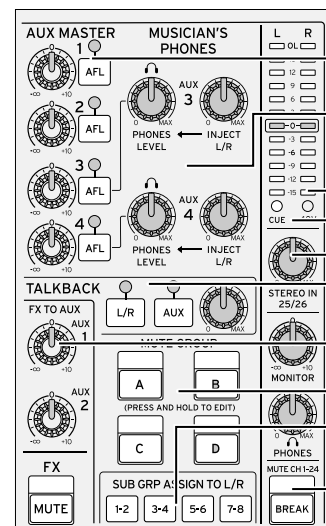
Subgroup Mix faders control the level of the four stereo buses (groups).

Main Mix (Left / Right) master fader.



Digital Section.

- Multi-function LCD display.
- Nine adjustment buttons for selecting effects, processing parameters, and EQ boost/cut.
- Edit the settings for Limiter, Compressor and Noise Gate as applied to L/R, AUX 1 or AUX 2.
- Edit the Paragraphic equalizer settings as applied to L/R, Aux 1 or Aux 2.
- Feedback Suppressor button and Set-up button.
- Selects display Overview (as shown above) or Spectrum Analyzer.
- Sets Tap Tempo for digital effects.
- Enables digital effects selection.
- Accesses the Global settings for the mixer itself.
- Menu activate, Scrolling knob and Exit button.
- Returns the currently-edited parameter to its default value.



Master Control Section.

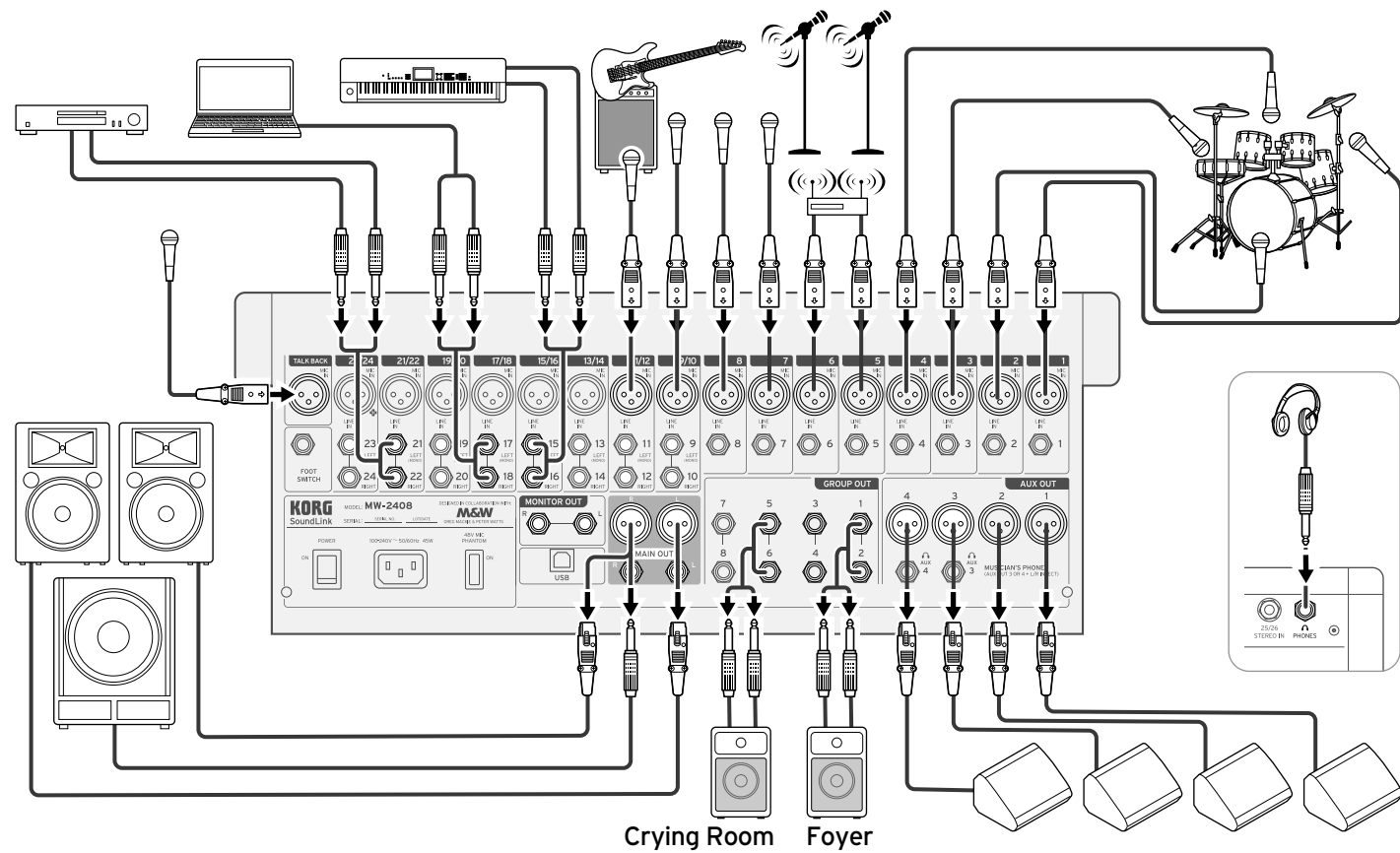
- AUX masters 1-4 with After Fader Listen (AFL) buttons and LED indicators.
- Way cool Musician's Phones section lets users of AUX 3 and 4 to get more or less of the main signal into their monitor mix.
- Level meter
- Cue and +48V Phantom Power indicators.
- Adjusts the level of the front panel Stereo Input
- Adjusts the volume and send destination for the Talkback microphone input.
- Effects Assign knobs and Effects Mute button.
- Operate and set Mute Group A - D functions.
- Assign any of the Subgroups to the L/R main bus.
- Break switch mutes all channels except for front panel 1/8" Stereo Input.

HYBRID
Analog/Digital Mixers

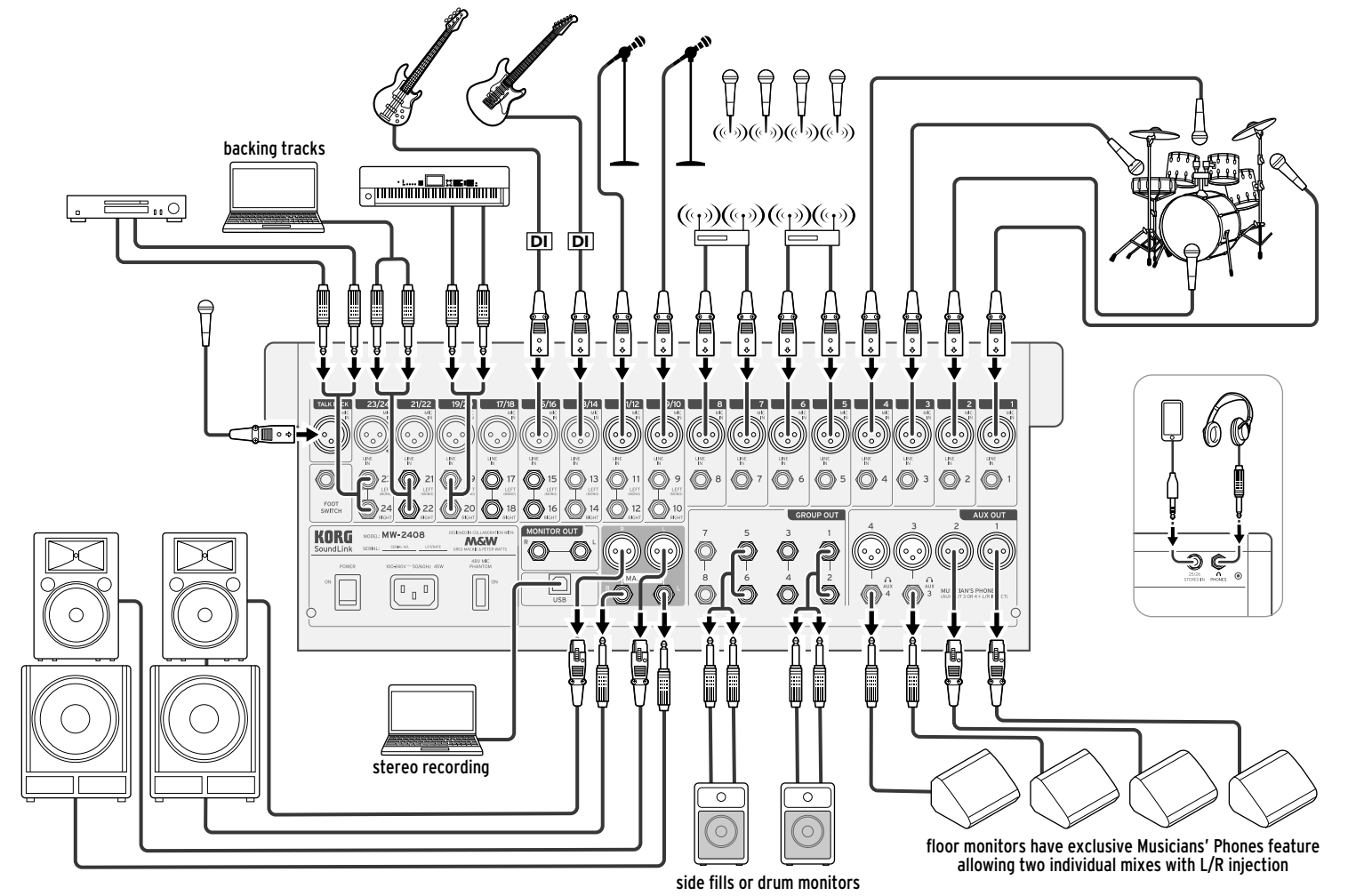
Your MW-1608 or MW-2408 is now ready to mix at its best settings with maximum headroom and lowest noise. Take our word for it: These steps were worth it!

Now we will present to you some of the stuff you probably expected to be first:

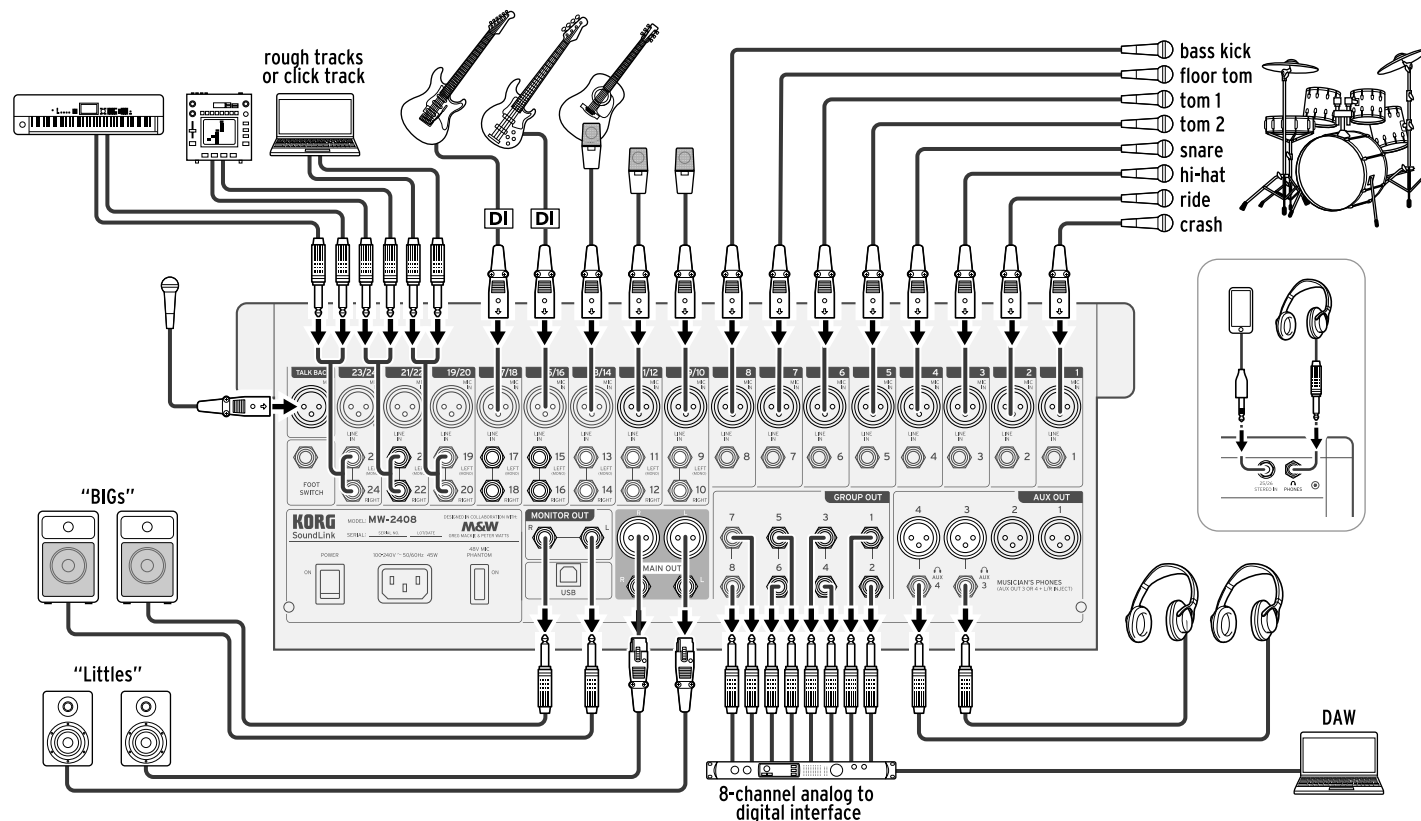
Sample CHURCH system



Sample BAND PA system

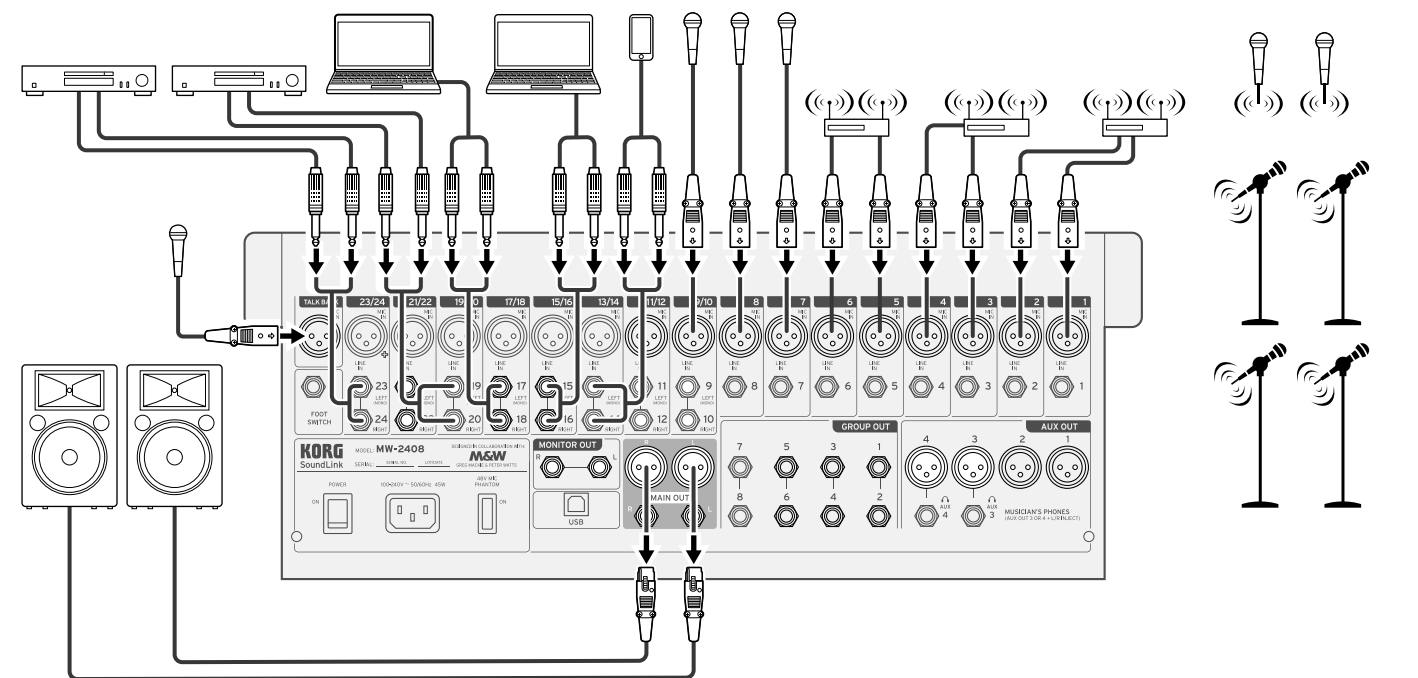


Sample RECORDING system



Sample PRESENTATION system

Hotel Ballrooms, Event Centers, Lecture Halls, Courtrooms, Auditoriums



Connectors, Adaptors and Terminology

If you've used a mixer before, you can skip this section.

But if terms like “*balanced XLR*” and “*line level*” are unfamiliar to you, read on.

Weak signals and strong signals.

The output of a microphone is very weak – only a few thousandths of a volt. Mic-level signals need to be boosted by your mixer's microphone preamplifier circuit up to what we call *line level*.

Line level is approximately one volt, or a *thousand times* stronger than mic-level. It's the output voltage generated by keyboards, synths, drum machines, DVD players, your grandfather's 8-track, etc.

Quiet balanced cables

Because microphone output is so weak, it is prone to interference and can't travel very far through a conventional 2-conductor wire.

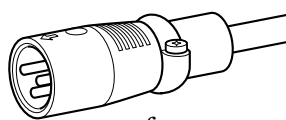
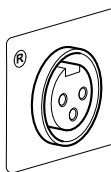
Balanced cables have three conductors and internal shielding. Without getting too technical, let's just say that a balanced cable can carry microphone signals a hundred feet or more, and resist hum and buzz.

The mic preamp inputs on your SoundLink MW Series mixer accommodate balanced connectors.

XLR and TRS.

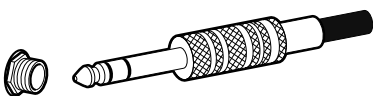
You'll notice two kinds of jacks on the back of your mixer.

XLR connectors are 3-pin connectors that are usually used



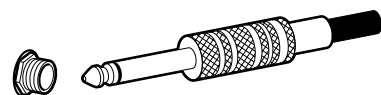
for transmitting microphone or balanced line-level signals.

TRS connectors are 1/4" plugs with an extra “ring” on its shaft (for



a total of three). TRS stands for “*Tip - Ring - Sleeve*.” Because TRS cables have two conductors plus a ground (shield) they are *balanced* and are ideal for connecting audio equipment.

Don't mix up TRS with **TS**. Tip



sleeve plugs have only two “rings” and are *unbalanced* – fine for connecting a guitar to an amp, but not recommended around mixers.

Bridging the gap.

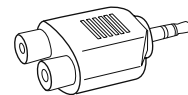
There is one more kind of connector that you will surely encounter: RCA jacks. These are the familiar red, white and often yellow jacks that still exist on DVD players, TV's, and home audio equipment.

If you want to connect the line level audio output of a DVD player or drum machine to the line level TRS jack on a SoundLink stereo channel, you need two of these



adapters for each channel. Just web search “*RCA to quarter inch*” to find numerous sources.

Finally, you may possibly need to connect an audio playback device's



RCA outputs to the 1/8" front panel input on your SoundLink mixer.

There's an adapter for that, too.

As well as Lightning-to-1/8" adaptors, so you can use an iPhone® as a music source during breaks.

Good luck, and may your cables never tangle.

IMPORTANT NOTICE TO CONSUMERS

This product has been manufactured according to strict specifications and voltage requirements that are applicable in the country in which it is intended that this product should be used. If you have purchased this product via the internet, through mail order, and/or via a telephone sale, you must verify that this product is intended to be used in the country in which you reside.

WARNING: Use of this product in any country other than that for which it is intended could be dangerous and could invalidate the manufacturer's or distributor's warranty. Please also retain your receipt as proof of purchase otherwise your product may be disqualified from the manufacturer's or distributor's warranty.

KORG INC.

4015-2 Yanokuchi, Inagi-City, Tokyo 206-0812 Japan

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