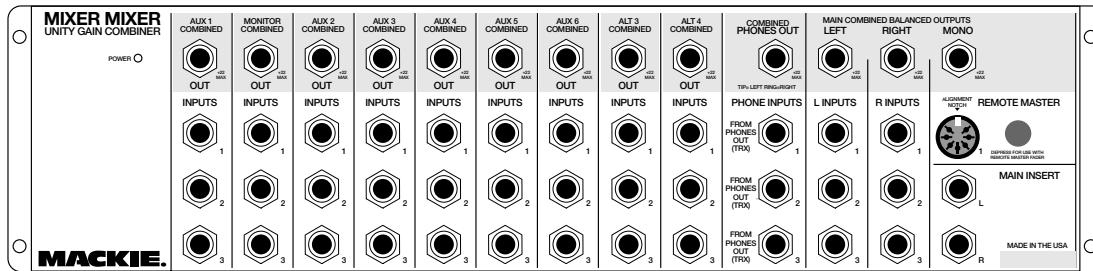
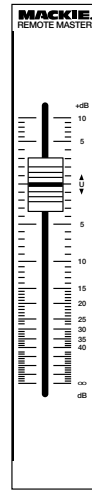


# MixerMixer

Unity Gain Active Combiner

Optional  
Remote  
Fader



## What it is

We called it the MixerMixer because that's what it does... it mixes the outputs from up to three mixers so you can use them as if they were one bigger mixer.

Combining the outputs of two or more mixers has always been a difficult task. At best you could combine main outputs by giving up two inputs on one of the mixers. However, none of the AUX sends or headphone monitoring functions could be combined.

The Mixer Mixer solves this problem, combining ALL outputs from up to three mixers and providing a new set of outputs for up to three mixers. For example, three Mackie Designs CR-1604's and a MixerMixer gives you 48 line inputs, 18 MIC inputs, 12 stereo effects returns and 24 direct outs!

Since all combining is at unity gain, you lose no level or head room — and gain no additional noise. In fact, the MixerMixer's noise level is so low that you can use it at -10dB or +4dB levels.

## Remote Fader

With the addition of the optional remote fader, you can control the main L/R output level of all the mixers that are plugged into the MixerMixer. The remote fader comes with its own connecting cable. Bolt it to the side of one of your CR-1604's, hold it in your hand, stand it on a table, or use double-backed tape to mount it anywhere that's convenient to use.

## CordPack

Use the available cord pack to interconnect CR-1604's and MixerMixers. CordPacks include all the cables needed to connect up to three CR-1604's to a MixerMixer.

## Connections

MixerMixer is really, really easy to hook up. Just connect all the various outputs from your mixers to the inputs of the MixerMixer. The new, combined outputs from your system are taken from the Mixer Mixer.

If you are using the remote fader, *be sure* to position the plug correctly when you plug into the Mixer Mixer. The alignment notch is clearly marked on the MixerMixer to correspond with the "dent" in the end casing of the DIN plug on the cable supplied.

NOTE: The reason it's even possible to insert the plug incorrectly is because we put a seven-pin DIN connector in the MixerMixer that allows us to give you some specialized control functions at a later date (the other pins supply power).

## Enabling the Remote Fader

To use the remote fader you must depress the switch that lurks behind the MixerMixer's

front panel, right along side the DIN plug socket. It's recessed for security, so you have to very deliberately insert a pencil (or non-conductive pen) through the small hole to depress the switch. MixerMixers are shipped from the factory with the switch in the "remote-off" position.

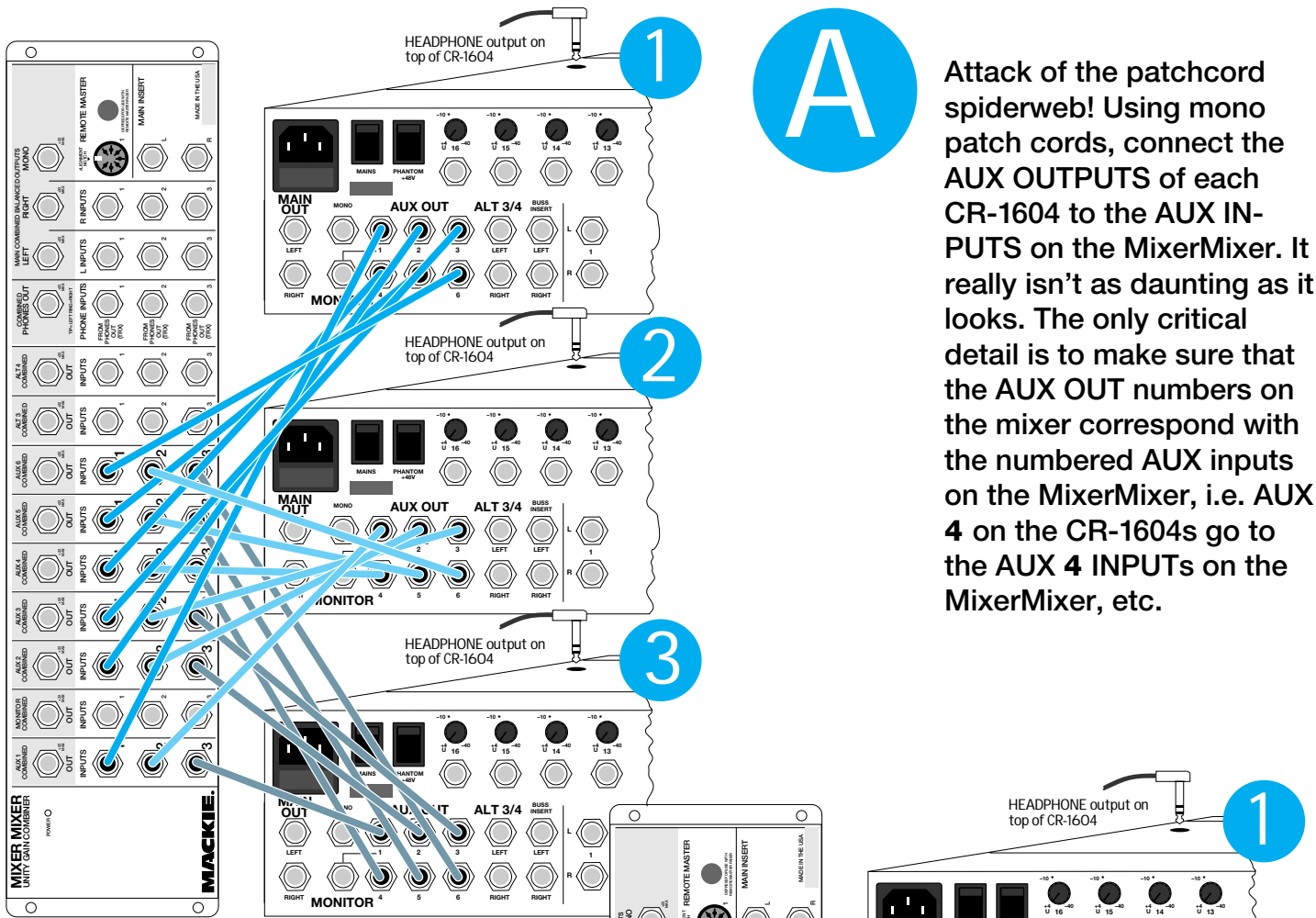
## Sub-mixing With the Remote Fader

With the remote fader you can use the existing master output sliders for

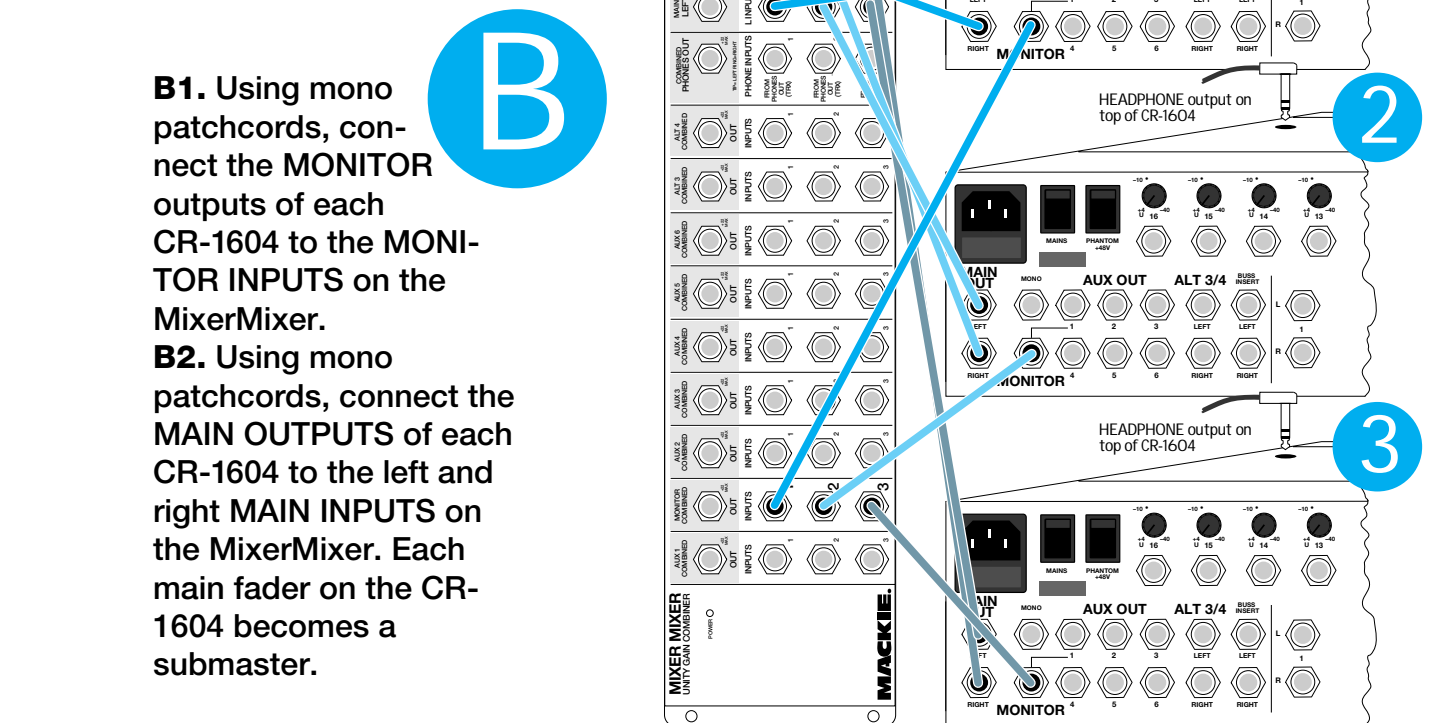
sub-masters. Use the pan controls to assign each channel to the appropriate output sub-master, then use the remote fader to set the overall output level.

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**MACKIE**.<sup>TM</sup>

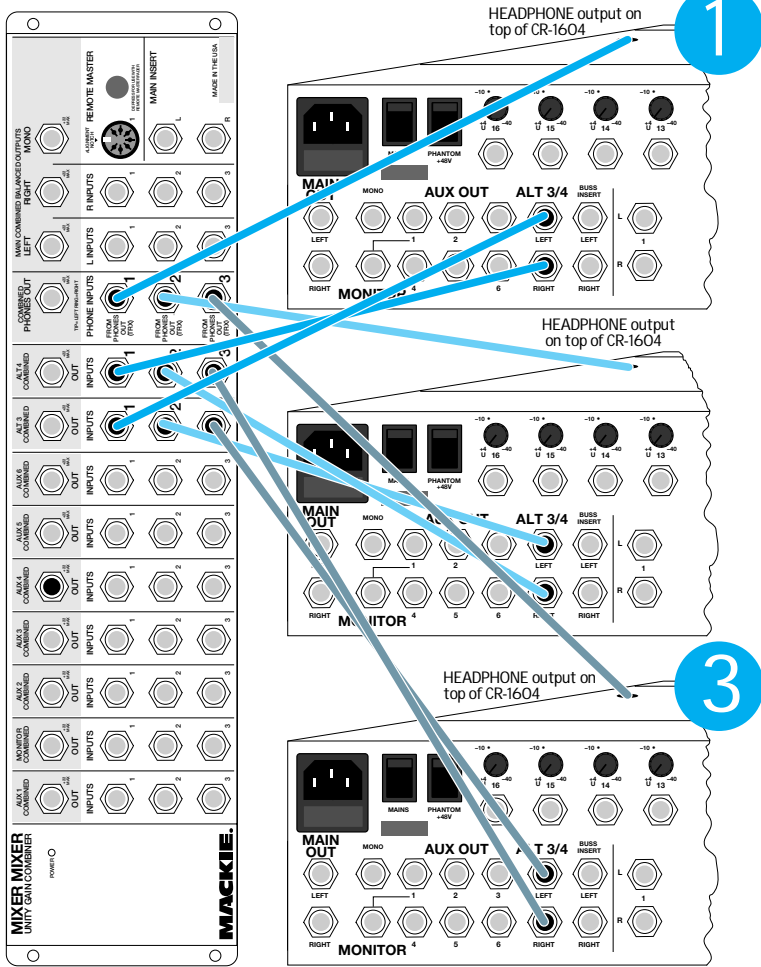


**A** Attack of the patchcord spiderweb! Using mono patch cords, connect the **AUX OUTPUTS** of each CR-1604 to the **AUX INPUTS** on the MixerMixer. It really isn't as daunting as it looks. The only critical detail is to make sure that the **AUX OUT** numbers on the mixer correspond with the numbered **AUX INPUTS** on the MixerMixer, i.e. **AUX 4** on the CR-1604s go to the **AUX 4 INPUTS** on the MixerMixer, etc.



**B1.** Using mono patchcords, connect the **MONITOR** outputs of each CR-1604 to the **MONITOR INPUTS** on the MixerMixer.

**B2.** Using mono patchcords, connect the **MAIN OUTPUTS** of each CR-1604 to the left and right **MAIN INPUTS** on the MixerMixer. Each main fader on the CR-1604 becomes a submaster.



**C**

Using mono patch cords, connect the ALT 3 and ALT 4 OUTPUTS of each CR-1604 to the ALT 3 and ALT 4 inputs on the MixerMixer.

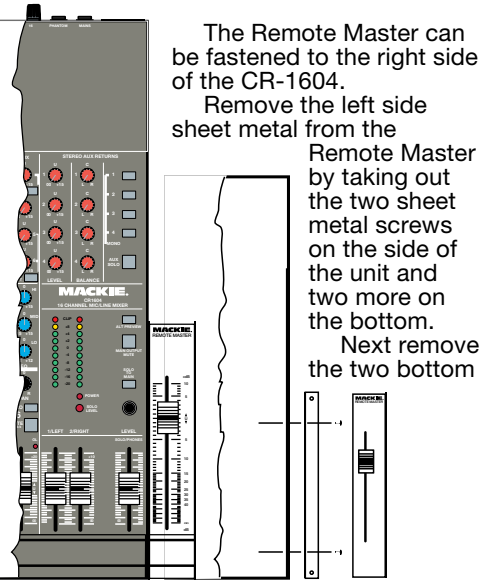
**D**

Using **STEREO** patch cords, connect the HEADPHONE outputs of each CR-1604 to the PHONE INPUTS inputs on the MixerMixer.

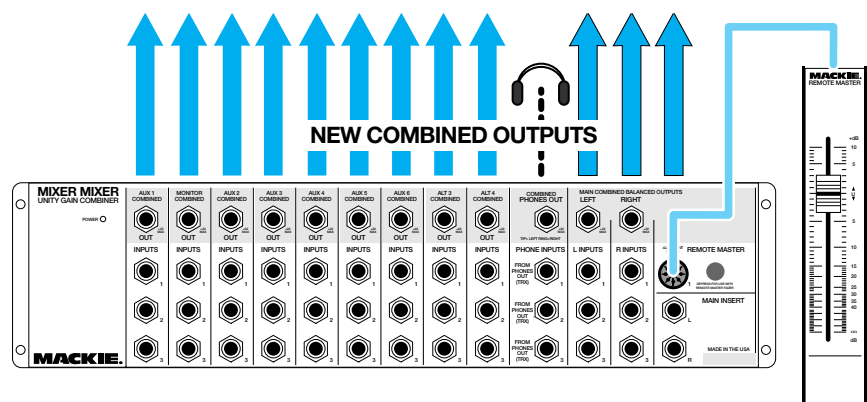
# MixerMixer

**E**

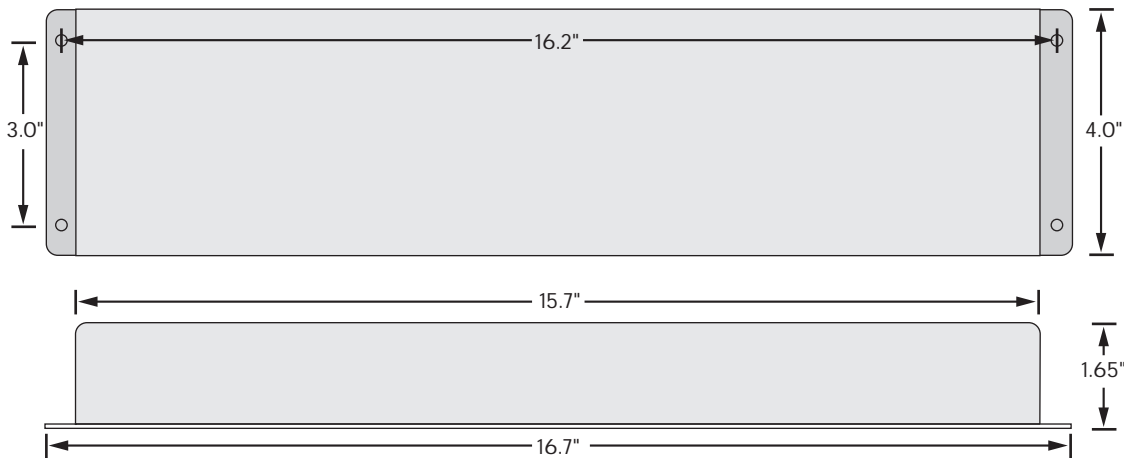
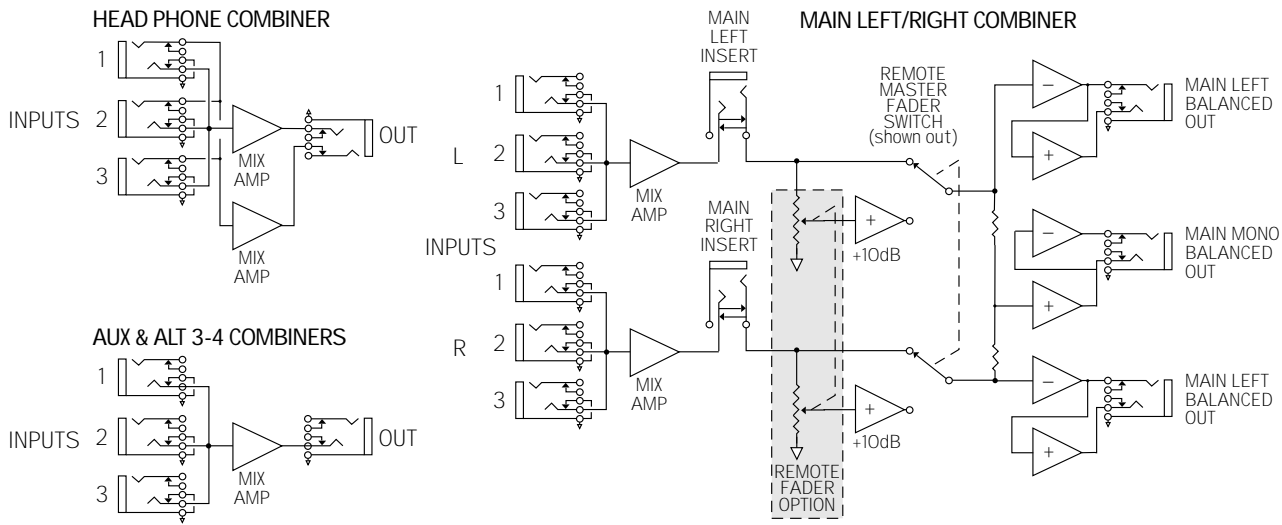
Make connections to equipment from the **COMBINED** outputs along the top of the MixerMixer



Attach the left side sheet metal panel to the side of the CR-1604 with the same two screws you just removed. Now attach the rest of the Remote Master via the screws on the bottom of the unit.



# MixerMixer



## Studio Monitoring

When used in studio applications, the monitor amplifier can be driven from the MixerMixer's combined HEADPHONE output. If your power amplifier has input level controls, set them at 12 o'clock to compensate for the extremely high output level of the headphone driver.

## Tape Outputs

Outputs to 2-track tape recorders are derived from main combined LEFT and RIGHT MixerMixer outputs. Multiple recorders can easily be driven simply by adding "Y" cords to the output.

## MixerMixer Specifications

Frequency Response:	20Hz to 40kHz +0dB -1dB
Distortion:	0.05% 20Hz to 20kHz
Hum & Noise:	-94dBu ref. +4dB operating level 20kHz NBW
Dynamic Range:	124dB 400Hz to 40kHz
Crosstalk:	-84dB @1kHz
Power:	5 watts
Shipping Weight:	w/o Remote Fader 5 lbs. with Remote Fader 7 lbs.

# MACKIE™

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