livemix®
personal monitor system

DIGITAL AUDIO LABS

CS-DUO DUAL MIX PERSONAL MIXER

FEATURE OVERVIEW

Designed with both volunteer and professional users in mind
Two discrete personal monitor mixes per unit
24 channels with DSP and additional DSP on master
Rugged frame with clearly labeled functions
LCD touchscreen, tactile knobs and channel select buttons

The Livemix CS-DUO is two personal mixers in one. With two mixes per unit, you can reduce your overall per node cost without sacrificing quality or functionality.

The Livemix CS-DUO is extremely simple to use and lightning fast to setup. The innovative MirrorMix® function allows you to use your own personal mixer to listen to and adjust the mix of any other personal mixer in the system. Even though it is designed to be simple to operate, we did not skimp on the features, like built-in ambient mics, effects on every channel and even a metronome.

CS-DUO

Output Power & THD+N	@22Ω	200mW @ 1% THD+N
		100mW @ .03% THD +N
	@32Ω	250mW @ 1% THD+N
		100mW @ .014% THD +N
	@64Ω	250mW @ 1% THD+N
		100mW @ .005% THD +N
	@300Ω	130mW @ 1% THD+N
		100mW @ .003% THD +N
Frequency Response	20 Hz - 22 kHz ± 3 dB	
S/N Ratio	103 dB	
Input Impedance (aux in)	7.5KΩ	
Crosstalk(Left to Right)	-103 dB	
Max Cable length from Mix16	100ft	
Filter Q	High pass & Low pass	.707
	Peak/Dip	1.2
Filter Cut/Boost Amount	± 6 dB	
Ambient Mic Gain	25 dB	

FOR ORDERS CONTACT:
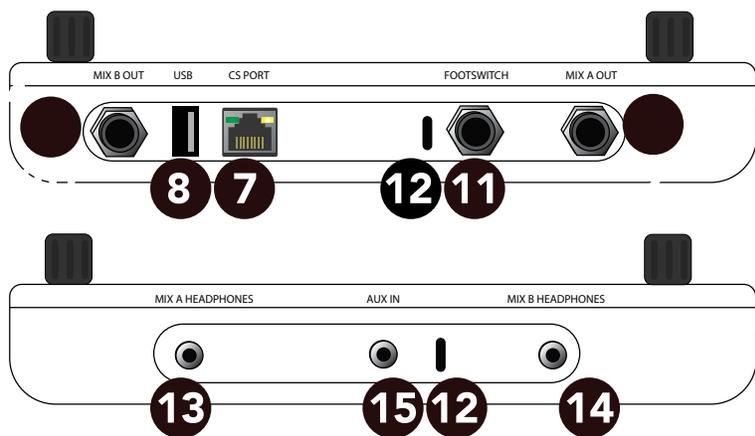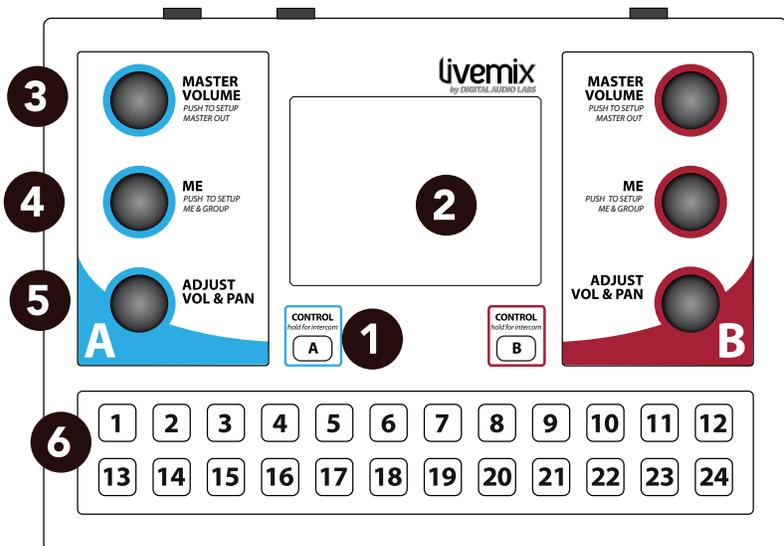sales@digitalaudio.com
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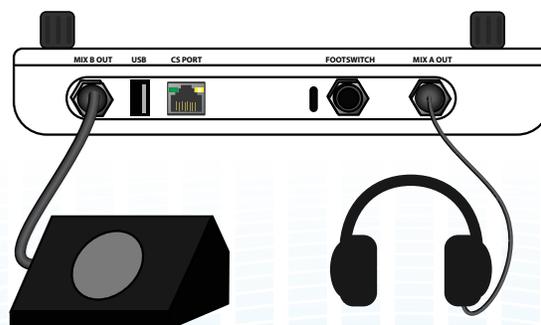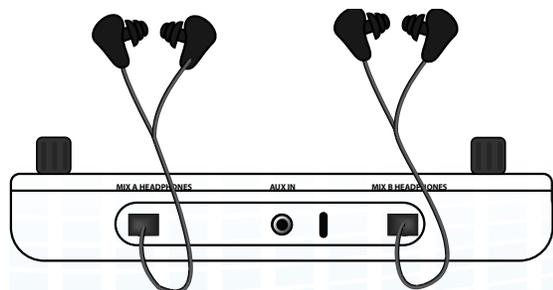Fax: 952-401-7725

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1. **CONTROL BUTTON:** Select which of the two discreet mixes is active for adjusting

2. **COLOR TOUCHSCREEN**

3. **MASTER VOLUME KNOB**

4. **ME KNOB:** Adjust the volume of the assigned ME group.

5. **ADJUST VOLUME & PAN KNOB**

6. **CHANNEL SELECT BUTTONS**

7. **CS PORT:** Connection port to MIX-16/32

8. **USB PORT:** Load and save mixes and templates.

9. **MIX A OUTPUT**: ¼" jack output for *A mix*. Can be configured for either stereo headphone or balanced mono operation.

10. **MIX B OUTPUT:** ¼" jack output for *B mix*. can be configured for either stereo headphone or balanced mono operation.

11. **FOOT SWITCH CONNECTOR:** Connect optional FP-2 foot pedal for hands-free mix control.

12. **AMBIENT MICROPHONES**

13. **MIX A HEADPHONES:** 1/8" headphone output for *A mix*.

14. **MIX B Headphones:** 1/8" headphone output for *B mix*.

15. **AUXILIARY INPUT:** Connect an auxiliary audio device, such as a portable music player.

CONNECTING THE CS-DUO TO OUTPUT DEVICES

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CS-DUO PERSONAL MIXER FEATURES

Feature	Benefit
12-channel overview on LCD touchscreen	Quick and easy identification of channels
Color LCD Touch Screen	Informative displays with direct interaction
Illuminated channel and buttons	Quick identification of currently selected channel
Custom channel naming	Select instrument or singer by custom name instead of by channel number
Continuous rotary/push switch knobs (3 per mix)	Quick and easy adjustment of different settings
Built-in metronome	Provides a common tempo and timing reference for all users
ME group plus 4 additional channel groups	Allows for quick volume adjustment of logical groups of instruments such as drums, background vocals, etc.
Optional foot pedal for hands-free mixing	Adjust volume of individual monitor mix channels, while keeping your hands on your instrument at all times
Two discreet mixes per controller	Allows the monitor mixer to be shared by two users, saving money, cabling, and stage space
Built-in stereo ambient microphones	Allows the ambient sound of the stage and audience to be included in your personal mix
Built-in Intercom	Easy communication with the other ensemble members on the stage
Auxiliary input for sharing audio from phones, laptops, metronomes	Audition a song from a connected digital audio player, play to tracks, or use advanced metronome features
Power and audio over single network cable	Single-cable interface reduces stage mess and clutter, simplifies setup at each performance
24 channels of input audio	Craft a custom mix from a wide variety of individual instrument and vocal sources
EQ & Compression presets on every channel	Tone controls allow you to improve the sound of individual parts of your mix
EQ, Compression & Reverb on the master output	Fine tune the overall sound of your mix
MirrorMix® remote mixing	Experienced users can connect to a remote mixer and hear what the remote user is hearing and tailor a mix accordingly
Save/Load individual mixes to/from USB	Allows users to bring their previously perfected mixes to new systems and venues
High gain headphone amplifier	Provides clean, great-sounding audio quality
Mute and Solo on each channel	Check the sound of an individual instrument, as well as eliminate it from the mix
Stereo mix output to USB on MIX-16/32 for recording	Connect to a computer and record a stereo mix from one of the attached CS-DUOs
Option to link A and B mixes	Allows both sets of knobs to control the same mix for instances where CS-DUO is used for a single perfomer
¼" balanced mono output option	Allows output to powered floor monitors