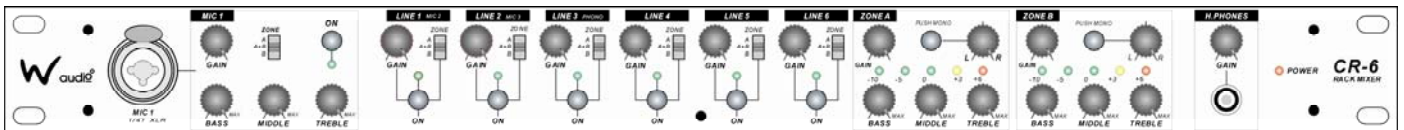


CR-6 USER MANUAL

Thank you for buying W Audio product. To take full advantage of this product, please keep this manual and read the operating instructions carefully.



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1. Safety Instructions



The lighting flash with arrowhead symbol, with in 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 to persons.



The exclamation point, within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

- 1.) Caution: To avoid the risk of electric shock, do not remove the cover. No user serviceable parts inside.
- 2.) To prevent fire or shock hazard, do not expose the unit to rain or moisture. Do not place metal objects or spill liquid inside the unit; electric shock or malfunction may result.
- 3.) Don't cover any ventilation slots as this may result in overheating. Always install the unit in a well ventilated place. Avoid presence of heat sources, and avoid places which are dusty and humid.
- 4.) The power cord of the unit should be unplugged from the outlet when left unused for long periods of time.
- 5.) Do not attempt to repair the unit by yourself. Service or repair should be by qualified personnel only.

2. Main features

The CR-6 is a user friendly mixer specially designed for professional installations. With full versatility, the 19” rack mixer is perfect for discotheques, clubs, theatres, etc.

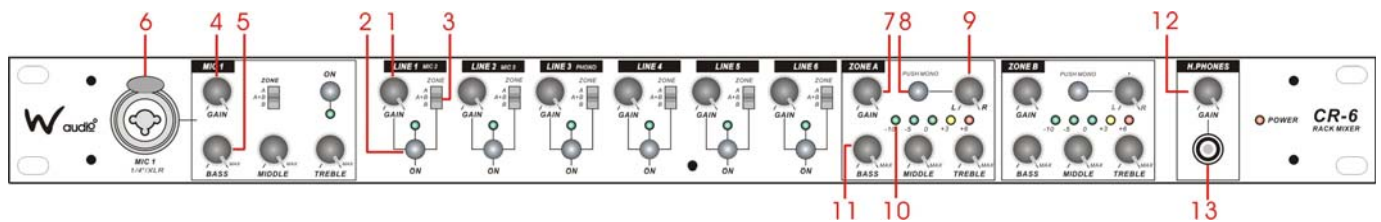
The rack mixer features:

- Six lines, one phono, three microphone inputs
- Mic 1 is equipped with auto-ducking, sensitivity adjustment, delay time, EQ, and gain control
- Balanced mic inputs on front and rear panels
- Simple on/off switches on front panel
- Dual zone assign for all inputs
- Two zone outputs with gain, pan, EQ, and stereo/mono adjustment
- Both zones have unbalanced and balanced outputs with master gain reduction
- Headphone output with volume control
- Power adapter with 3-way multipole connector

3. Precaution

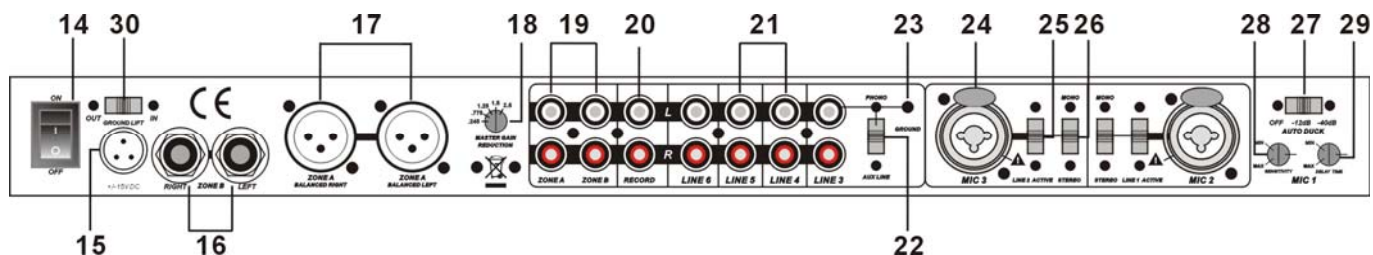
- 1) All operating and other instructions should be followed before this product is connected and used.
- 2) Make sure the mains power of the unit is turned off before installation.
- 3) Make sure all the connectors are well connected in their indicated positions firmly. Use appropriate cables throughout your system; quality cable makes a big difference in audio fidelity.
- 4) Never attempt to make any adjustments or repairs other than those described in this manual.
- 5) Always start with volume controls/ master controls on minimum.
- 6) Try to move gain controls slowly. Rapid adjustments could damage speakers.
- 7) If the mixer does not work properly, stop and disconnect it immediately. Do not attempt to repair it by yourself, contact your dealer for service.

4. Front panel



- 1) Input gain knobs (for six lines)- Control individual source levels.
- 2) On/off switches – Allow sound to be brought to the unit on each channel.
- 3) Zone assign – Determines which zone the audio is directed to. The A+B position sends channels audio to both Zones.
- 4) Mic 1 Gain control – Controls the mic volume for the Neutrik combo connector on the front panel.
- 5) Mic EQ controls – Adjusts the Treble, Middle, Bass frequencies respectively of the mic audio.
- 6) Neutrik Combo Connector – Allows connection of either a 1/4” jack or an XLR plug.
- 7) Zone Knob – Controls the output level.
- 8) Mono/ Stereo- Sets the mode for the output sound.
- 9) Panning – Controls the mix of stereo audio available from the channel. Moved to the left only the left speakers will be heard, or to the right for the right speakers.
- 10) Level Indicator – Quickly shows the level of sound output. Proper attention to the peak meter results in the punchiest possible sound without audible distortion.
- 11) Zone EQ: Adjusts the Treble, Middle, and Bass frequencies respectively of the zone audio.
- 12) Headphone Gain Control – Adjusts headphone volume.
- 13) Headphone Jack- for plugging in your headphones.

5. Rear Panel

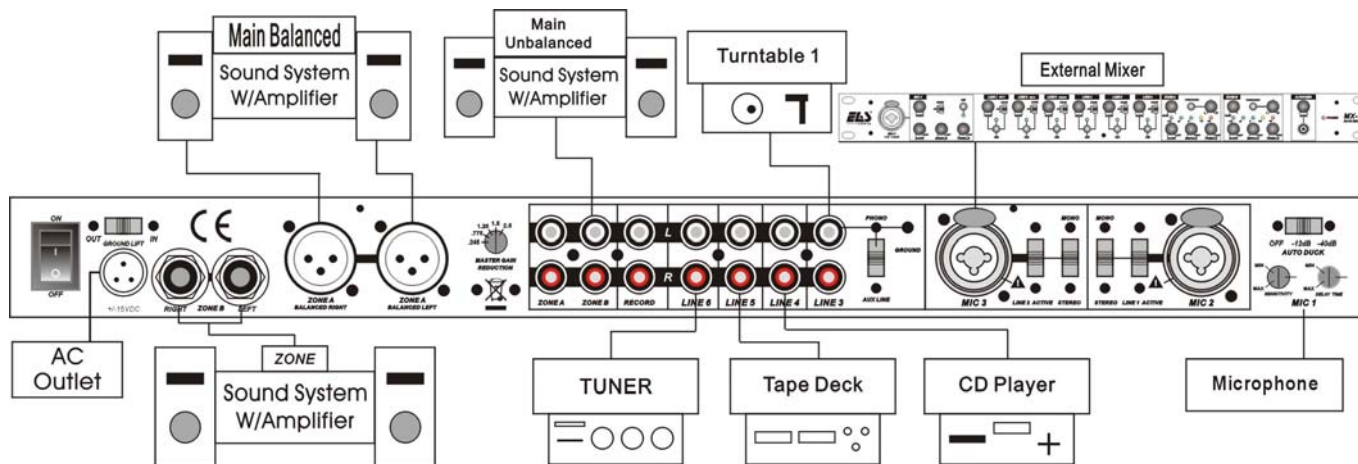


- 14) Power Switch – Switch the unit on.
- 15) Power supply input – To plug you power adapter in before switching on.
- 16) Balanced Zone B outputs- 1/4" stereo balanced TRS 1/4" connectors controlled by the Zone B knob.
- 17) Balanced Zone A outputs – Balanced stereo XLR connectors controlled by the Zone A knob.
- 18) Master Gain Reduction – To set the output level of the Zone A outputs from 0.245V to 2.5V to match the optimum inputs of amplifiers and other devices.
- 19) Unbalanced Zone Outputs – Output controlled by the Zone knobs.
- 20) Record Output – Mix of output sent to either zone.
- 21) Unbalanced Line Inputs – To connect stereo audio from HiFi VCRs, cassette and reel to reel tape decks, DAT machines, CD players, laser discs, tuners, or other mixing consoles.
Note: a.) Plug mono audio sources into both Left and Right inputs using a "Y" cable connector.
b.) Line 3 can receive a turntable input depending on phono/line switch position.
- 22) Phono/ Line Switch- Select the appropriate position for your input device. With phono selected the input signal is fed directly to the high-quality RIAA phono pre-amplifiers so use this input only for turntables. Line level sources will overload the sensitive phono pre-amps. Switch this over to the Line position for line devices such as CD players and tape decks.
- 23) Ground connection – Use these connections with your turntables' grounding cable to avoid signal hum.
- 24) Nutrick Combo Connector – Allows connection of either a 1/4" jack or an XLR jack to connect balanced line or mic inputs depending upon switch position.
- 25) Mic/ Line switch- to allow inputs of either balanced line input or microphone into the referenced XLR jacks. When microphone is not used, always put the switch to line position.
- 26) Stereo/Mono switch – Allow the user to adjust the signal input for stereo or mono input accordingly.
- 27) Auto-Talkover Control – Sets the front panel Mic to automatically reduce other source level when the mic is spoken into. Positions are available for either off, -12dB, and -40dB (complete reduction).
- 28) Talkover sensitivity adjust – Determines the point in which auto-talkover activates. The more sensitive the adjustment, the quieter you need to speak into your microphone to activate auto-talkover.
- 29) Delay Time: Allow to change the speed the music inputs return to normal volume after somebody has used the microphone. The time the music takes to return to the pre-set volume varies from 0.5~4 seconds.

6. Connections (Setup)

There are many options available for your particular needs and the diagram below is just one example for your reference. Make sure all knobs are at “ zero “ and all devices are off. First, connect all input sources; next, connect the stereo outputs to the power amplifiers and/or audio receivers such as tape decks. Plug your mixer into AC power. Now you are ready to switch everything on.

Important: Always switch on your audio input sources such as turntables or CD players first, then your mixer, and finally amplifiers. When turning off, always reverse this operation by turning off amplifiers, then your mixer, and then input devices.



Note: Incorrect connection will result in malfunction. Make sure the connection is correct before operation.

7. Specification

Inputs	Line	10k input impedance
		140mV rms sensitivity (for 1.4V balanced output)
	Mic 1	10K input impedance unbalanced
		1.5mV rms sensitivity (for 1.4V balanced output); 60mV rms max input
	Mic2/ Mic3	10K input impedance
		1.5mV rms sensitivity (for 1.4V balanced output); 80mV rms max input
Outputs	Line	9V rms max
	Headphone	0.5 watt into 47 ohm
	Distortion	Less than 0.01%
S/N ratio (vs. max output)	Line	> 87dB
	Mic1	> 72dB
	Mic2/Mic3	> 72dB
	Phono	> 70dB
Frequency Response	Line	20 ~ 22KHz +/- 0.5dB
	Mics	20 ~ 20KHz +/-1.5dB
	Phono	+/- 1dB except for controlled attenuation of -3dB @20Hz to reduce rumble and feedback
Equalizations (Mic1/Zone A/ Zone B)	Bass +/- 20 dB	
	Middle +/- 15 dB; Treble +/- 14 dB	
Power supply	+/-15VDC	
Dimension (WxDxH)	483 (W) x 200 (D) x 44(H) mm	
Net weight	2.2 KGS	

CR-6 Professional 19" Rack Mixer

Specifications subject to change without prior notice.