



The Aerobix XL2 is a professional 1U rack mixer designed for fixed audio installations. Building on the proven Aerobix XL platform, it features a completely redesigned internal architecture for improved reliability, noise performance, and installation flexibility.

With four stereo line and two microphone inputs, the XL2 offers flexible connectivity for a wide range of audio sources. A switched-mode power supply, balanced audio paths, and enhanced grounding protection ensure stable operation in demanding environments, making it ideal for background music systems in retail, hospitality, and other professional applications.

Key features

- Compact 1U low-noise audio design
- Completely redesigned internal electronics for improved reliability
- High-efficiency switched-mode power supply
- Balanced audio inputs and outputs for improved signal integrity
- Integrated ground lift to reduce hum and grounding issues
- Multiple line and microphone inputs for flexible connectivity

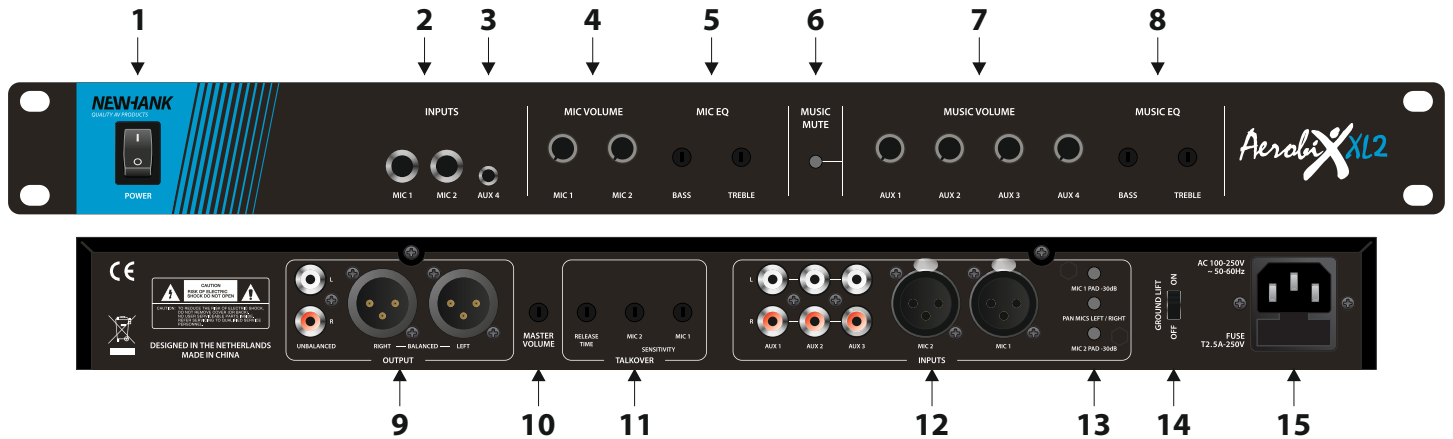
Safety notice

For your safety, do not attempt to open this device. There are no user-serviceable parts inside, and opening the unit may lead to electric shock or damage. Please refer all servicing needs to qualified service personnel only. Attempting repairs yourself will void any warranty and may compromise the device's performance and safety.

Set-up precautions

Ensure all connections are made before plugging the device into an electrical outlet. Set all volume knobs to their minimum position before powering on. If the device has experienced a sudden increase in environmental temperature, avoid switching it on immediately to prevent internal damage from condensation. Wait until the device reaches room temperature before turning it on.

Functions and controls



1. **POWER SWITCH** - This is the main power ON/OFF switch.
 2. **FRONT PANEL MIC INPUTS** - Accepts a 1/4" / 6.35mm TRS jack plug.
 3. **AUX 4 INPUT** - Accepts a 1/8" / 3.5mm Stereo TRS minijack plug.
 4. **MIC VOLUME** - Level control for Mic 1 and Mic 2.
 5. **MIC EQ** - Bass and treble EQ controls, recessed to prevent unintended adjustment.
 6. **MUSIC MUTE** - Instantly mutes all music sources.
 7. **MUSIC VOLUME** - Level control for Aux 1 to 4.
 8. **MUSIC EQ** - Bass and treble EQ controls, recessed to prevent unintended adjustment.
- OUTPUTS** - Stereo set of both unbalanced RCA and balanced XLR outputs.
- MASTER VOLUME** - Master volume control, on the back to prevent unintended adjustment.
- TALKOVER** - Talkover threshold per mic input, and a release time control, on the back to prevent unintended adjustment.
- INPUTS** - Back panel balanced XLR mic inputs, and stereo sets inputs for Aux 1-3.
- MIC INPUT CONFIG** - -30dB Pad per mic channel and pan mics to left/right.
- GROUND LIFT** - Floats audio ground from chassis ground, only use when experiencing noise issues.
- MAINS POWER INPUT** - The device connects to the AC mains via the provided power cable. Ensure the voltage and frequency specified on the unit match your local power supply. The fuse, located within a small compartment at the AC inlet, can be replaced by first disconnecting the power cable, then sliding out the compartment drawer. Always use a fuse with identical specifications. If the new fuse fails as well, the unit should be serviced by qualified professionals.

User manual

Aerobix XL2

General specifications

Frequency response	20Hz - 20kHz, ± 1 dB
Input sensitivity	+10dBu
Output signal level	+22 dBu
Impedance	Input / Output: 20K Ω (Balanced), 10K Ω (Unbalanced)
Dynamic Range	> 84dB
Singal-to-noise Ratio	> 84dB
THD+N	< 0.02%@ 20Hz - 20KHz
Preamp	Mic: analog gain 0-40dB, Line: analog gain 0-12dB
Power supply	100-240V AC ~ 50-60Hz, 10 Watt
Operating temperature	-10 - +55°C
Operating humidity	10 - 80%
Weight	2,3kg; 5.07lbs
Dimensions	483(19")x178x44,5mm excl. connectors (155mm deep from rack strip)
Mounting	19 inch rack mountable

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