

# NEWHANK

QUALITY AV PRODUCTS

## Aerobix XL Professional low noise mixer



## User Guide and Reference Manual

## INTRODUCTION

Welcome to the NEWHANK Aerobix XL professional 1U 19" mixer series user manual.

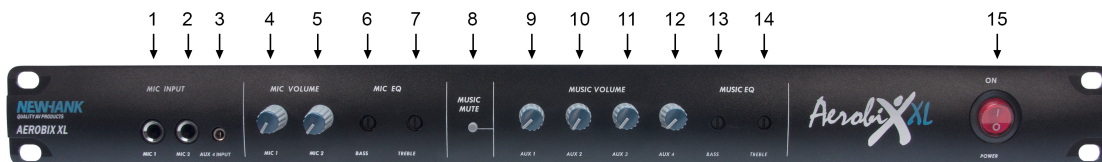
The Aerobix XL is a professional and easy to operate 1U rack mixer with 4 stereo line and 2 symmetrical microphone inputs, that can be individually set to accept line levels and/or can both work as a 1 stereo symmetrical line input.

### Key Features:

- Compact 1u low noise audio design
- 2 Mic inputs both on 6,3 mm Jack and XLR connectors
- 2 Mic inputs can be individually switched to line level and can act together as 1 stereo input
- 3 stereo RCA Line inputs
- 1 stereo 3.5mm Jack input on the front panel
- Adjustable "Auto Talk Over"
- Individual volume controls
- Bass and treble controls can be adjusted with a screwdriver
- "Music Mute" switch
- Stereo master output both on RCA and balanced XLR
- Min/Max output level can be set on the rear panel

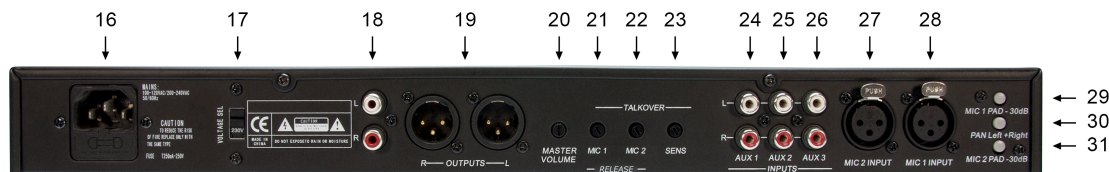
## GETTING STARTED, THE BASIC PRINCIPLES

1. Study the face- and back- panel functions.
3. Make sure all devices are turned off and all rotaries are set to "zero".
4. Connect all your stereo input sources.
5. Connect the stereo output to power amplifier(s), powered speakers etc.
6. Plug all devices into AC power.
7. Always switch on system on in the following sequence:
  1. Audio input sources (like DVD- CD Players, Tuners etc).
  2. Mixer.
  3. Amplifiers, Powered speakers etc.Always switch off in reverse sequence:
  1. Amplifiers, Powered speakers etc.
  2. Mixer.
  3. Audio input sources (like DVD- CD Players, Tuners etc).



### FACE PANEL FUNCTIONS

1. **MIC INPUT 1** -- Connect a Microphone with a 6.3 mm plug to this input. \*
2. **MIC INPUT 2** -- Connect another Microphone with a 6.3 mm plug to this input. \*\*
3. **AUX INPUT 4** -- Connect a music player with a 3.5mm plug to this input.
4. **MIC 1 Volume** -- Level adjustment for MIC 1.
5. **MIC 2 Volume** -- Level adjustment for MIC 2.
6. **MIC BASS** -- Bass cut or boost level for MIC 1 and MIC 2.
7. **MIC TREBLE** -- High cut or boost level for MIC 1 and MIC 2.
8. **MUSIC MUTE** -- Mutes AUX1, AUX2, AUX 3 and AUX 4 when pushed.
9. **AUX 1 Volume** -- Level adjustment for AUX 1.
10. **AUX 2 Volume** -- Level adjustment for AUX 2.
11. **AUX 3 Volume** -- Level adjustment for AUX 3.
12. **AUX 4 Volume** -- Level adjustment for AUX 4.
13. **AUX Bass** -- Adjusts the low frequency (bass) level for AUX 1 and AUX 2.
14. **AUX Treble** -- Adjusts the high frequency (treble) level for AUX 1 and AUX.
15. **POWER SWITCH** -- illuminates in red when the mixer is powered on.



### BACK PANEL FUNCTIONS

16. **MAINS CONNECTOR**-- IEC socket accepts IEC power lead.
17. **VOLTAGE SELECTOR**-- 220-110 AC Volt Switch (factory set on 220v).
18. **MASTER OUT RCA**-- Asymmetrical master output.
19. **MASTER OUT XLR**-- Symmetrical master out.
20. **MASTER VOLUME** -- Level adjustment of the RCA and XLR Output.
21. **MIC 1 RELEASE** -- the further turned clockwise the longer it takes before the Signal from AUX1, AUX2, AUX3 and AUX 4 returns.
22. **MIC 2 RELEASE** -- the further turned clockwise the longer it takes before the Signal from AUX1, AUX2, AUX3 and AUX 4 returns.
23. **SENS** -- Talk over Sensitivity adjustment for MIC1 and MIC2, MAX when turned clockwise.
24. **AUX 1** -- RCA Stereo line level input AUX 1.
25. **AUX 2** -- RCA Stereo line level input AUX 2.
26. **AUX 3** -- RCA Stereo line level input AUX 3.
27. **MIC 2 INPUT** -- MIC 2 XLR balanced input. \*\*
28. **MIC 1 INPUT** -- MIC 1 XLR balanced input. \*
29. **MIC 1 PAD -30dB** -- Switches Mic 1 Input to Mono Line Level when pushed.
30. **PAN Left + Right** -- Pans Mic 1 Input to the Left Output and Mic 2 Input to the Right Output. So Mic 1 and 2 can work as 1 stereo symmetrical Line Input.
31. **MIC 2 PAD -30dB** -- Switches Mic 2 Input to Mono Line Level when pushed.

\* When button 29 is pushed, This Input will work as a Mono Line Input.

\*\* When button 31 is pushed, This Input will work as a Mono Line Input.

## **SPECIFICATIONS**

Line 10Kohm, Mic input impedance

Mic 600 Ohm input impedance

S/N Ratio: >98 dB

Total Harmonic Distortion: <0.02% (1KHZ)

Frequency response: 20Hz-20KHZ

Power Consumption: 110-120v / 200-240v AC, 10W

Dimensions:

Face Panel 483x44.4mm

Rear Panel 433x44.4mm

Casing Depth 155mm (excluding connectors)

Weight: 4KG

**Please Note: All specifications and improvements to and in the design of this unit and its manuals are subject to change at any time without any prior written or published notice.**

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