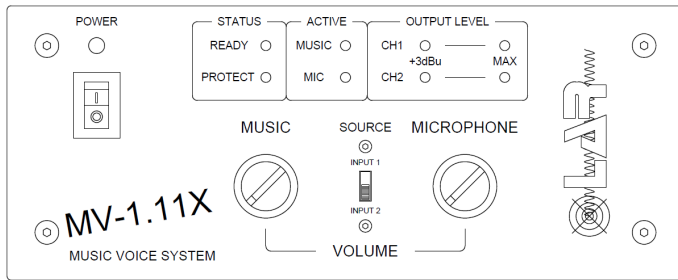


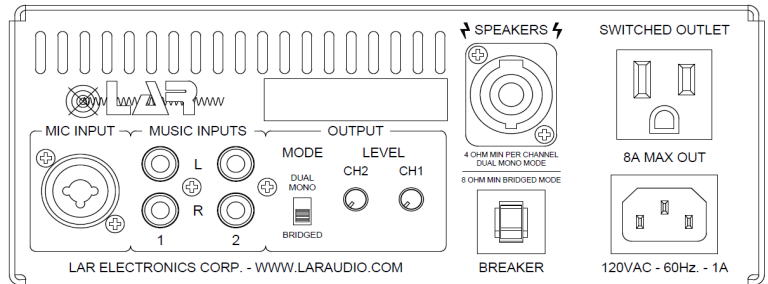


DT-50 Desktop Integrated Amplifier

MV-1.11X | MV-2.11BX



Front View



Rear View

Features

- Extremely Low Noise Amplifier Architecture Utilized
- Front Panel Music Volume, Microphone Volume & Source Selection Controls
- Dual Mono, Bridged Mono, Stereo, or BiAmped Mode Operations
- Combo XLR / TRS Balanced Low-Z Microphone Input
- Two RCA Input Jacks for Line Level Music (Stereo)
- Neutrik® Speakon Type Output Connection to Speakers
- Built in Fast-Acting Output Signal Compressor on Both Channels
- Anti "Speaker-Thump" Turn On Delay & Instant Turn Off
- DC Mode Output Speaker Protection
- Speaker / Transmission Line Short Circuit Protection
- Extensive Status & Activity Indication LED's

Interface and Display	
<i>Front Panel</i>	
Controls	Power Switch, Music Volume, Microphone Volume, Input Selector Switch
Indication LED's [Color]	Power Indicator [Green], Microphone Input Active [Blue], Music Input Active [Blue], +3dBu Voltage Output Level Indicators [Yellow], Max Voltage Output Level Indicators [Red], Ready Amplifier Status Indicators [Green], Protect Amplifier Status Indicators [Red]
<i>Rear Panel</i>	
Controls	Output Level Gain Control Knobs, Mode Selector Switch
Audio Inputs	Two Unbalanced Music Inputs # 1 and 2, One Microphone Input
Power / Speaker Connectors	3-Prong IEC Inlet, Switched Accessory Outlet, Neutrik® SpeakON, Circuit Breaker

I/O Specifications

Note: 0dBu = 0.775Vrms or ~1.1Vpeak

Microphone Input

Connector Type	Combo TRS / XLR
Input Impedance	1K Ω Balanced – Per Leg
Front End Voltage Gain	Full Cut to +52dB Adjustable
Maximum Input Level	-18dBu

Line Level Music Inputs 1 and 2

Connector Type	Dual Red / White RCA
Input Impedance	27K Ω – Per Leg
Front End Voltage Gain	0db to +9dB Adjustable
Maximum Input Level	+20dBu

The DT-50 Amplifiers are equipped with Front Panel Music Volume Controls, Microphone Volume Controls, and Music Source Selection Switches. The MV-1.11X is field configurable for operation in Dual Mono or Bridged Mono mode, and the MV-2.11BX is field configurable for operation in Stereo or BiAmp mode. The lid is conveniently printed with a speaker connection wiring guide for each type of mode.

In Dual Mono mode, the power amplifier delivers a minimum continuous output power of 16 Watts RMS per channel into an 8 Ohm load, or 18 Watts RMS per channel into a 4 Ohm load, with both channels operating. In Bridged Mono Mode, the power amplifier can deliver 40 Watts RMS Differential into an 8 Ohm Load.

In Stereo or BiAmp mode, the power amplifier delivers a minimum continuous output power of 16 Watts RMS per channel into an 8 Ohm load, or 18 Watts RMS per channel into a 4 Ohm load, with both channels operating.

The power amplifier has two Unbalanced Line Level Music Inputs (Input 1 & 2), one Low-Z Microphone Input, Gain Level Adjustment Controls for Channels 1 and 2, and one Mode Selector Switch.

The amplifier has one Neutrik® SpeakON connector, one Switched Outlet, and one push-to-reset Circuit Breaker.

	MV-1.11X	MV-2.11BX
Front End Error Amp Topology	Long Tailed Pair, CCS Biased	
Output Section Topology	Direct Coupled Class AB – Darlington BiPolar Output	
Music Preamplifier Stage Gain	Adjustable From 0dB to +9dB	
Microphone Preamplifier Stage Gain	Adjustable From Infinite Cut to +52dB	
Microphone High Pass Filter	Hardware Defeatable (-18dB) / Octave Set to 120Hz	
Power Amplifier Stage Gain	+28dB Fixed	
Operating Voltage Rails	+/- 28VDC Unloaded, Earth Ground Referenced	
Current Draw	600mA [Nominal], 1A [Max]	
Continuous Output Power Before Clipping 1kHz Sine Wave – Both Channels Driven		
8 Ω Load	Dual Mono Mode 16 W RMS per Channel	Stereo or BiAmp Mode 16 W RMS per Channel
4 Ω Load	Dual Mono Mode 18 W RMS per Channel	Stereo or BiAmp Mode 18 W RMS per Channel
8 Ω Load	Bridged Mono Mode 40 W RMS Differential	
Input Impedance		
for Unbalanced Inputs 1 and 2	17K Ω per RCA Leg; +20dBu Max Input Level	
For Low-Z Microphone Input	1K Ω per XLR Leg; -18dBu Max Input Level	
Minimum Load Impedance		
4 Ω per Channel	Dual Mono Mode	Stereo or BiAmp Mode
8 Ω	Bridged Mono Mode	
Amplifier Power Supply	Linear E+I Core Transformer - 56 VA – 6,800 μ F Shared Filter Capacitance per Rail	
Music Input Bandwidth	4Hz to 110kHz – No Load	
DC Output Offset	No More Than +/- 100mVp Allowable – Usually < +/- 20mVp	
Damping Factor	> 200 into 8 Ω	
Quiescent Offset & Noise at Output	< 10mVp-p	
Rise Time – Uncompensated – Non Filtered	3 μ S [10% to 90% at 5Vp-p] – No Load	
Required AC Mains	110-125VAC, 50-60Hz, 1A	
Chassis Material	14 Gauge 5052-H32 Aluminum	
Number of Output Channels	2	
Dimensions	8.50" W x 3.45" H x 11.10" D	
Weight	5 lbs	

Specifications Subject to change without notice

