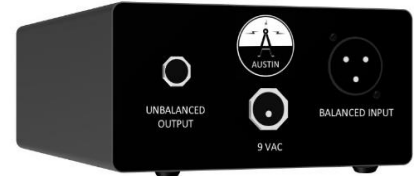


# AUSTIN MIC PRE (AMP)

SPECIFICATIONS - MAY, 2015

## FEATURES:

- THE BEST, QUIETEST, INTERNAL COMPONENTS AVAILABLE
- BEEFY 1-AMP POWER SUPPLY FOR A CLEAN, QUIET CIRCUIT
- 11 FIXED GAIN POSITIONS (10dB TO 72dB)
- NEUTRIK™ BALANCED XLR INPUT, UNBALANCED ¼" OUTPUT
- MOGAMI™ INTERNAL WIRING
- ALL-METAL CHASSIS FOR EXCELLENT NOISE REJECTION
- NO "PIN-1 PROBLEM" – FREE OF GROUND LOOPS



<b>Gain Stages (6dB Steps)</b>	10-72dB
<b>THD + Noise</b>	
1kHz, 60dB Gain, +19.00dBV "A"	0.0067%
1kHz, 60dB Gain, +10.00dBV "A"	0.003%
<b>Equivalent Input Noise (dBV A)</b>	
50Ω @ 72dB Gain	<-135dBV "A"
<b>Frequency Response</b>	
10Hz - 17Hz (Sub-audio)	< -6dB
17Hz - 40Hz	< -3dB
40Hz - >100kHz	< -1dB
<b>Maximum Output Level</b>	>20 dBV (9Vrms)
<b>Input Impedance</b>	33,000Ω Balanced
<b>Panel Connections</b>	
Balanced Input	XLR Female
Unbalanced Output	1/4" Female
9VAC power	2.1mm barrel
<b>Indicator</b>	
Power	Red LED
<b>Dimensions &amp; Weight</b>	
W=4" x L=5" x H=2"	1.58 lb (720g)
<b>Power Consumption (9VAC)</b>	
Inrush	< 300mA (<2.75W)
Operating	<100mA (1.4W)

## THE AUSTIN MIC PRE (AMP).

No fancy lights, meters, or phantom power...

A dedicated, world-class ribbon microphone preamplifier that YOU build.

The *Austin Mic Pre (AMP)* is a complete DIY kit with a fully-illustrated step-by step instruction tutorial – just like our Austin Ribbon Microphones.

Designed with state-of-the-art circuitry, and premium audio components, the *Austin Mic Pre (AMP)* delivers excellent performance over the entire audio spectrum... and beyond.

Its 11 gain stages range from 10dB to 72dB, and deliver a whisper-quiet -135dBvA EIN, with just .0067% THD+N at +19dBV out.

The *Austin Mic Pre (AMP)* is an easy weekend project for intermediate DIY'ers.

Street Price: \$249

[www.DiyRibbonMic.com](http://www.DiyRibbonMic.com)

# 6 things to know before you start the DIY Preamp Project:

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## **1. You should have some soldering skills.**

Like our DIY Ribbon Microphone kits, the Austin Mic Preamp is designed to be an easy weekend project. However, some prior experience with solder and circuit boards really helps. There are 30 components and 90+ solder points in the circuit. To guide you, there is a fully illustrated and photographed step-by-step manual with check-boxes for each component, but you must rely on your own soldering skills!

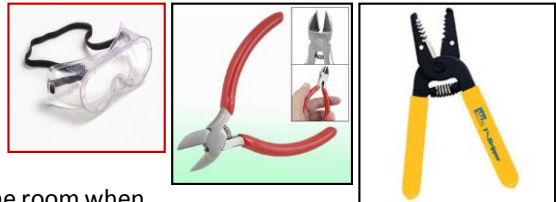
## **2. You should have a real soldering station.**

You don't need a \$150+ pro station, but cheap Radio Shack irons are not good enough. eBay often has temperature controlled stations with a sponge and stand for under \$30.



## **3. You need a few tools and safety glasses**

To strip the insulation off the wires, and cut the legs off components, you need a wire stripper tool for small wire, (22-30 AWG) and diagonal cutters (AKA "dikes") (Each is \$5 to \$25 online or at hardware stores.)



Diagonal cutters can shoot the metal legs of components across the room when you cut them, so **MAKE SURE YOU WEAR EYE PROTECTION TOO.**

## **4. Get a \$10 MultiMeter**

A multimeter is strongly suggested, especially if you have trouble recognizing colors or reading the small print on components. Again, you don't need a \$500 professional meter. Entry-level, imported multimeters can be purchased for under \$20 from eBay or local hardware stores. If you can't read component values, or need to troubleshoot your circuit, you *must* use a meter.



## **5. Find an area to work where you won't ruin your tablecloth or counter top.**

Don't start your weekend with a burned tablecloth or scratched countertop. If you have no other choice, lay down some protection before you start. You can even use a kitchen cutting board or the cardboard box your kit came in.

## **6. This project takes 3 to 6 hours, depending on your skill level.**

You don't need to do it all in one evening. You can break it up over a few nights. Follow the instructions, check-off the boxes, and you can easily build a very nice ribbon microphone preamplifier.