



Audio Engineering Associates

The Ribbon Pre™

**The only preamp designed
specifically for ribbon mics**



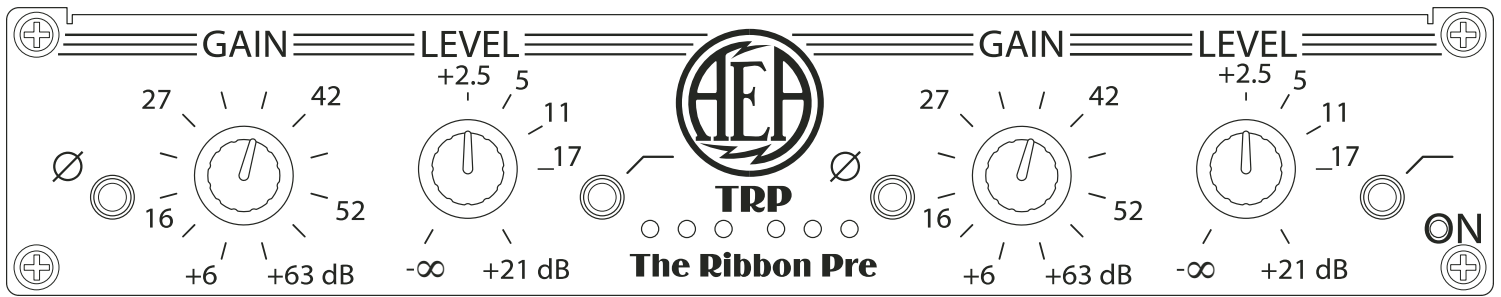
TRP

One-of-a-kind

The AEA TRP is the only mic preamp designed specifically for ribbon mics. Unleash your ribbon microphones' full potential with a TRP, and hear music more completely than ever before. Your ribbon mics will sound loud, clean and open, with fuller bass response.

AEA's TRP has the quick, quiet gain you need for digital recording of ribbon, moving coil and tube mics. The Ribbon Pre™ has the speed needed for high resolution 192 kHz recording. With 300 kHz of bandwidth and our DC coupled, Low-Energy-Storage (LES)™ circuit topology this preamp delivers outstanding dynamic response and bandwidth, and recovers instantly from overloads.

TRPs have enough gain to let you hear how noisy the universe really is, but within the limits of physics, provide quiet gain. Our DC coupled mic inputs let you hear all the dynamics, subwoofer bass and fast transients that your ribbon and tube mics can deliver. This discrete front end and integrated circuit JFET design combines the quiet gain of solid state with an openness reminiscent of tubes.



Electronics

- Gain is >83 dB at 1 kHz, balanced in to balanced out
- Positive polarity is pin 2 on XLRs, tip on 1/4" stereo jacks
- Balanced outputs clip above +28 dBu, 100k load
- Unbalanced xlr output load reduces max level by ~ 6 dB
- Unbalanced 1/4" TRS outputs clip at +22 dBu, 100k load
- Frequency response is down 3 dB at 6 Hz and 300 kHz
- THD at 1 KHz is .005% with 22 Hz to 22 kHz bandwidth
- EIN, A weighted noise figure is -130 dBu, 150 ohm input
- Balanced mic input impedance is >30,000 ohm
- Microphone input electronics are DC coupled
- Mic inputs are zener protected from external P48 DC
- Mic inputs shut off while external DC is present
- Green LED snaps on at ~ -5 dBu
- Yellow LED is variable brightness from ~ 0 to +20 dBu
- Red LED snaps on at ~ +20 dBu
- High Pass filter is 12 dB per octave and -3 dB at 100 Hz
- Power supply provides two 17.25 VAC outputs

Physical

- Gain switch is a 12 position Grayhill series 71
- Output level control has detent at 12 noon
- Polarity reverse & High-pass pushbutton switches
- Power supply (P.S.) is external for minimum noise
- P.S. input & output cords are each 6 feet long
- 115 VAC P.S. uses male grounded Edison power plug
- 230 VAC P.S. uses male recessed IEC power plug
- Chassis P.S. input is a female 7 pin circular DIN jack
- Power-on indication is by a front panel LED
- Finish is a tough, textured, black & gray powder coat
- Legends & single line schematic are laser engraved
- Chassis is aluminum with rugged extruded endcaps
- Size: Half-rack wide, rack unit high 8.5" x 8.5" x 1.7"
- Metric: Chassis is 36.7 cm wide & deep, by 4.3 high
- Weight: Chassis is 2 pounds, P.S. is 1.5 pounds
- Metric: Chassis is .9 Kg, power supply is .7 Kg
- Dual TRP steel rackshelf mounting option is 1 RU high

