

Order No. R700 0111 10



The Jensen Twin-Servo™ utilizes Deane Jensen's iconic 990 op-amp design to deliver the most exceptional mic preamp built in the 500 series format. The circuitry boasts two 100% discrete 990 op-amps cascaded in tandem to deliver 60dB of gain, with incredibly low noise and phase distortion, and an ultra-wide 0.2Hz-150kHz frequency response. Jensen input and output transformers provide massive amounts of headroom, with clean and transparent operation suitable for the most critical recording applications. A 21-detent gain control makes for easy session recalls, with a 10-segment LED meter for accurate signal management. 48V phantom power, a 180° polarity reverse, high-pass filter and -15dB pad are also provided, all with individual LED indicators to verify settings at a glance. When it comes to high performance mic preamps, nothing beats the Jensen Twin-Servo.

FEATURES

- Ultra-low noise preamp with over 60dB of gain
- Built in high-pass filter and 180° polarity reverse
- Dual Jensen transformers for maximum headroom

APPLICATIONS

- Perfect for recording any source
- Transparent and detailed operation
- Amazing low end reach and wide bandwidth

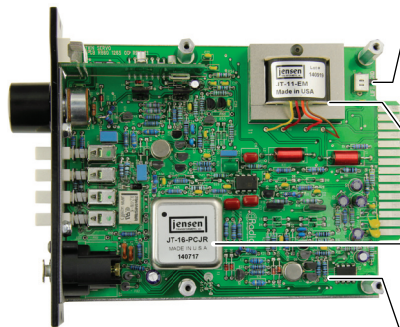
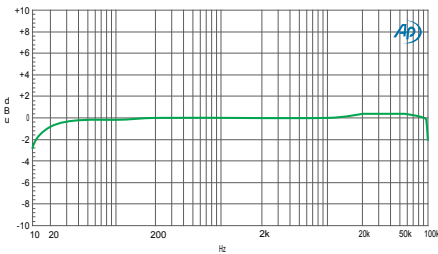
COOL FACTORS

- Combo input to record mics or instruments
- LED indicators to determine settings at a glance
- 21-position gain control allows for accurate session recalls

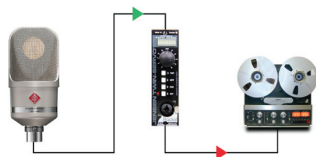


- OMNIPOINT - When used with a Radial Workhorse power rack the omniport is assigned as an unbalanced 220K ohm instrument input.
- 10 SEGMENT METER - Custom designed circuit for greater VU meter accuracy.
- DUAL-GANG POT - Simultaneously controls the dual 990 op-amp topology for optimal gain at all levels.
- 180° - Inverts pins 2 and 3 at the output to help phase align microphones when two channels are in stereo use.
- HPF - Gentle high-pass filter may be inserted into the signal path to reduce excessive low frequency content and control resonance.
- PAD - Reduces the input sensitivity by -15dB when amplifying exceedingly high output sources.
- 48V - Activates the 48V phantom power supply for use with condenser microphones and active direct boxes.
- COMBO - Combination balanced XLR mic input and 1/4" instrument input is mounted on front panel for ease of use.
- FULL ENCLOSURE - 100% encased steel casing reduces magnetic interference from nearby modules that may cause noise pollution.

FREQUENCY RESPONSE



- GROUND LIFT - Set and forget rear panel ground switch lifts the pin-1 ground at the XLR input.
- JENSEN OUTPUT TRANSFORMER - The JT-11-EM is linear from 2Hz-200kHz with less than 0.001% distortion at 20Hz.
- JENSEN MIC INPUT TRANSFORMER - The JT-16-PCJR is exceptionally quiet, linear from 5Hz-50kHz with less than 0.06% distortion at 20Hz.
- JENSEN DUAL 990 OP-AMPS - 100% discrete audio signal path without any tone shifting capacitors.



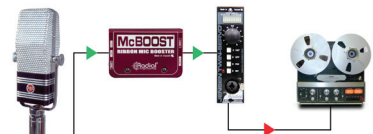
USING THE TWIN-SERVO WITH A CONDENSER MIC

The Jensen Twin-Servo has almost unlimited bandwidth and tremendous headroom. This makes it a perfect choice for the most demanding recording, particularly when recording highly dynamic signals such as vocals or orchestral instruments.



USING THE TWIN-SERVO WITH AN ACTIVE DI

When recording live, capturing the direct feed from an instrument can provide much more consistent results as bleed from other instruments can be eliminated. Connect a piezo transducer to the Radial PZ-DI and send this to the Twin-Servo for amazing bottom end!



USING THE TWIN-SERVO WITH A RIBBON MIC

Most modern ribbon microphones have plenty of output and can connect directly to the Twin-Servo's low noise circuitry. When using old vintage mics, add the Radial McBoost to increase the output by up to 25dB for a total of about 85dB of gain!