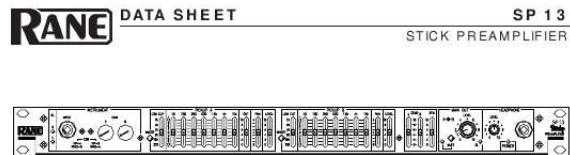




# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for RANE SP 13. You'll find the answers to all your questions on the RANE SP 13 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual RANE SP 13  
User guide RANE SP 13  
Operating instructions RANE SP 13  
Instructions for use RANE SP 13  
Instruction manual RANE SP 13



#### General Description

Dedicated to the needs of the Stick® musician, the SP 13 Stick Preamplifier is a full-featured package specifically suited for instruments with two pickups. The SP 13 provides two signal processing paths: both optimized for passive Stick pickups. These paths feature very high input impedance for extended low bass response. Additionally, either channel accepts dynamic pickups or line-level outputs from onboard preamps. A convenient front panel slide switch allows choice of which pickup is wired to the tip or the ring of the stereo 1/4" input jack. Handy pickup Gain trim controls feature large openings for quick changes using guitar picks, fingernails or coins. And separate pickup Overload indicators make gain set-up easy.

Each pickup signal path contains an Invert switch, an adjustable Low Cut filter, a 7-band graphic equalizer, a Pan control and a separate Level amplifier, all logically arranged along the front panel using smooth acting oil-damped sliders for the ultimate in convenience and graphical feedback. The Invert switch allows the user to invert the phase of each pickup relative to the other. The sliding Low Cut filter helps eliminate troublesome thumping, rumbling, rubbing and other unwanted infrasonic frequencies. The graphic equalizers give

you separate timbre control over each individual pickup. The Pan and Level controls mix both pickups into one smooth stereo signal ready to drive the Send/Return effects loop, or the in-line Inserts. Two pair of high-current cross-coupled balanced stereo line drivers, with Mono switch on the rear panel, complete the processing chain. Choose between the stereo 1/4" line-level outs for amplifier feed or the stereo XLR mic-level outs for direct console patching, or use them both.

A powerful Headphone amplifier and Master Mute switch allow private auditioning and practice. The separate Tuner Output routes both inputs to a mono output for easy tuning of both pickups with a single tuning device. When an auxiliary output is necessary, the separate unbalanced Aux Output with Level control perfectly satisfies the need. An additional Expander Input allows a second stereo processed signal to be returned to the Main Outputs. This means that each pickup can be processed independently and mixed together for stereo applications.

The SP 13 Acoustic Preamplifier is all you ever dreamed of for perfect control and integration of your Chapman Stick (years of practice not included).

#### Features

- Stick® preamp for instruments using dual pickups
- Signal processing for each pickup:
  - Low-cut filter 15-250 Hz
  - 7-band graphic equalizer
  - Polarity Invert switch
  - Level & Pan controls
  - Stereo Send/Return and Insert loops
- Switchable tip/ring Input wiring
- Direct Tuner and Aux Outputs
- Main Output Muting with indicator
- Main Output Stereo/Mono switch
- Fully balanced Mic/Line level Outputs
- Stereo headphone amplifier
- UL CSA CE and 100/120/230 VAC Remote Power Supplies

Data Sheet-1



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<http://yourpdfguides.com/dref/3395611>

**Manual abstract:**

@@These paths feature very high input impedance for extended low bass response. @@@@Handy pickup Gain trim controls feature large openings for quick changes using guitar picks, fingernails or coins. And separate pickup Overload indicators make gain set-up easy. Each pickup signal path contains an Invert switch, an adjustable Low Cut filter, a 7-band graphic equalizer, a Pan control and a separate Level amplifier, all logically arranged along the front panel using smooth-acting oil-damped sliders for the ultimate in convenience and graphical feedback. The Invert switch allows the user to invert the phase of each pickup relative to the other. The sliding Low Cut filter helps eliminate troublesome thumping, rumbling, rubbing and other unwanted infrasonic frequencies. @@@@A powerful Headphone amplifier and Master Mute switch allow private auditioning and practice. The separate Tuner Output routes both Inputs to a mono output for easy tuning of both pickups with a single tuning device. When an auxiliary output is necessary, the separate unbalanced Aux Output with Level control perfectly satisfies the need. An additional Expander Input allows a second stereo processed signal to be returned to the Main Outputs.

This means that each pickup can be processed independently and mixed together for stereo applications. @@1, LVD 73/23/EEC Class 2 Equipment File no. E88261 File no. @@@@TUNING The fixed Tuner Output connects to the A and B Pickups Input. This Output is not affected by the graphic EQ.

@@@@@MAIN OUTPUTS The SP 13 uses high-current cross-coupled differential line drivers for each of its balanced outputs. Normal balanced line-level applications use the 1/4" output jacks with 2-wire cable terminated with 1/4" TRS connectors. Unbalanced linelevel interconnection uses standard mono 1/4" jacks without gain change or signal loss. @@@@An output mono switch shall be provided. @@A 1/4" TS tuner output, 1/4" aux output, 1/4" TRS insert connectors and 1/4" TS expand input connectors shall also be provided.

A headphone amplifier shall be built-in with it's own level control. The unit shall be a Rane SP 13 Stick Preamplifier. Effects Applications Application 1 - Standard configuration. Use separate effect units for the Melody and Bass by wiring as shown above. Use the desinated 'mono input' on the effects unit.

@@@@@W., Mukilteo WA 98275-5098 TEL (425)-355-6000 FAX (425)-347-7757 WEB <http://www.rane.com> Data Sheet-4 All features & specifications subject to change without notice. 105328 .



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