



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for RANE DA 216S. You'll find the answers to all your questions on the RANE DA 216S in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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## RANE DATA SHEET DA 216S DISTRIBUTION AMPLIFIER



### General Description

The Rane DA 216S Distribution Amplifier is a two-input, sixteen-output split/distribution amplifier. The DA 216S is capable of providing sixteen discrete balanced outputs from one or two balanced mic-level or line-level inputs. The level of each output is individually adjusted via one of the sixteen screwdriver Output Level controls on the front panel. Each output may be assigned to either or both inputs via front-panel accessible slide switches.

The Master A and B Level controls affect the overall level of each input. In other words, they allow all assigned outputs to be turned up or down at once. LEDs indicate an Overload (OL) at either the inputs or at the internal gain stages.

Each input is set to either Mic or Line level via the rear panel Input Pad pushbutton. The separate Input Gain pushbutton

switches provide a microphone input with +60 or +40 dB of gain, or a line input with +20 or 0 dB of gain. With Input Gain, Master Levels and Output Levels, any reasonable input signal may be adjusted to a nominal +4 dBu and still have 17 dB of headroom. The Phantom Power switch provides +15 VDC for condenser microphones. Any input assigned to line-level has its phantom voltage turned off automatically. A rear-panel LED indicates when the Phantom Power is engaged.

Each output stage incorporates a high-current balanced output line driver for driving long lines with optimal performance.

The DA 216S improves on the previous DA 216 model with an internal universal voltage power supply, operable nearly anywhere in the world (100-240 VAC).

### Features

- A, B, A&B Output Assign Switches
- Sixteen Balanced (Terminal) Outputs, Individually Assignable
- Two Balanced Inputs
- Studio Grade Low Noise Input Amp
- Input Overload Indicators
- Mic/Line Input Switches
- Gain Switches: 40/60 dB Mic, 0/20 dB Line
- Phantom Power Switch
- Master Input and Individual Output Level Controls
- Stable High-Current Line Drivers
- All Outputs Capable of Driving 6000 Loads Simultaneously
- UL/CSA/CE Internal Universal Power Supply (100-240 VAC)

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**Manual abstract:**

The Master A and B Level controls affect the overall level of each input. In other words, they allow all assigned outputs to be turned up or down at once. LEDs indicate an Overload (OL) at either the inputs or at the internal gain stages. Each input is set to either Mic or Line level via the rear panel Input Pad pushbutton. The separate Input Gain pushbutton switches provide a microphone input with +60 or +40 dB of gain, or a line input with +20 or 0 dB of gain. With Input Gain, Master Levels and Output Levels, any reasonable input signal may be adjusted to a nominal +4 dBu and still have 17 dB of headroom. The Phantom Power switch provides +15 VDC for condenser microphones. Any input assigned to line-level has this phantom voltage turned off automatically. A rear-panel LED indicates when the Phantom Power is engaged. @@@@Wire range is #14 to #26 stranded or solid.

The diagram above shows the uncomplicated nature. @@The Input Pad pushbuttons change the input gain range. @@Keep an eye on the Overload indicators when setting the gain. @@Occasional flickering is permitted. @@@@usually the ""). Unbalanced uses only the "+" and ground terminals. @@@@This nets a total of 32 Outputs! @@MADE IN U.S.A. This device complies with Part 15 of the FCC Rules.

@@The unit shall be capable of mono (16 mono outputs) or stereo operation (8 stereo outputs) via front panel switches. Each output shall be assignable to either or both of the master inputs. Each input shall be microphone or line level switchable by means of rear panel switches. Additional 20 dB gain switches shall be built-in for each input, applicable to either a mic or line level signal. Each input shall have a front panel screwdriver level adjustment. 15V phantom power shall be provided via a rear panel switch for microphone inputs. Each output shall have a front panel screwdriver adjustment. Inputs and outputs shall be active balanced screw terminal connectors. @@The unit shall be UL and cUL listed. The unit shall be entirely constructed from cold-rolled steel.

@@@DOC 106333 .



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