

GP-20 REAR PANEL



GP-20 Specifications

● **Nominal Input Level** -20 dBu ● **Input Impedance** 1 M Ω ● **Nominal Output Level** -20 dBu ● **Output Impedance** 1 k Ω ● **Recommended Load Impedance** 10 k Ω or greater ● **Dynamic Range** 108 dB (IHF-A typ.) ● **Controls** ON/OFF Pedal, MANUAL/MEMORY Pedal, GAIN Knob, BASS Knob, MIDDLE Knob, TREBLE Knob, PRESENCE Knob, MASTER Knob, MODEL Knob, SPEAKER CABINET Knob, VARIATION Button, MEMORY/WRITE Button, OUTPUT Select Switch ● **Indicators** POWER Indicator (serves also as battery check indicator), ON/OFF Indicator, MANUAL Indicator, MEMORY Indicator, VARIATION Indicator ● **Connectors** INPUT Jack, OUTPUT Jack, DIGITAL OUT Jack (RCA PIN type), AC Adaptor Jack ● **Power** DC 9V: Dry battery (AA type) X 6, AC Adaptor ● **Power Consumption** 85 mA (9 V max.) (Expected battery life under continuous use; Carbon: 9 hours, Alkaline: 25 hours. These figures will vary depending on the actual conditions of use.) ● **Dimensions** 173 (W) X 158 (D) X 57 (H) mm, 6-13/16 (W) X 6-1/4 (D) X 2-1/4 (H) inches ● **Weight** 1.1 kg/2 lbs. 7 oz. (including batteries) ● **Accessories** Owner's Manual, Roland Service (Information sheet), Dry battery (AA type) X 6 (We recommend that alkaline batteries be used when replacing the batteries.) * 0 dBu = 0.775 Vrms

EQ-20 REAR PANEL



EQ-20 Specifications

● **Memories** 9 ● **Nominal Input Level** -20 dBu (GUITAR/BASS), +4 dBu (GUITAR AMP SEND/RETURN) ● **Input Impedance** 1 M Ω ● **Nominal Output Level** -20 dBu (GUITAR/BASS), +4 dBu (GUITAR AMP SEND/RETURN) ● **Output Impedance** 1 k Ω ● **Recommended Load Impedance** 10 k Ω or greater ● **Residual Noise Level** -100 dBu or less (IHF-A typ./All Sliders max.) ● **Variable Range** Equalizer Control: -/+15 dB, Level Control: -/+15 dB ● **Display** Custom LCD (backlit LCD) ● **Controls** EFFECT ON/OFF Pedal, MANUAL/MEMORY Pedal, Equalizer Sliders (30 Hz, 60 Hz, 120 Hz, 200 Hz, 400 Hz, 800 Hz, 1.6 kHz, 3.2 kHz, 6.4 kHz, 12.8 kHz), LEVEL Slider, SELECT Button, LIGHT Button, LEVEL Switch ● **Indicators** POWER Indicator (serves also as battery check indicator), EFFECT ON/OFF Indicator, MANUAL Indicator, MEMORY Indicator, PEAK Indicator ● **Connectors** INPUT Jack, OUTPUT Jack, AC Adaptor Jack ● **Power** DC 9V: Dry battery (AA type) X 6, AC Adaptor ● **Power Consumption** 120 mA (9 V max.) (Expected battery life under continuous use; Carbon: 3.5 hours, Alkaline: 12 hours. These figures will vary depending on the actual conditions of use.) ● **Dimensions** 173 (W) X 158 (D) X 57 (H) mm, 6-13/16 (W) X 6-1/4 (D) X 2-1/4 (H) inches ● **Weight** 1.1 kg/2 lbs. 7 oz. (including batteries) ● **Accessories** Owner's Manual, Roland Service (Information sheet), Dry battery (AA type) X 6 (We recommend that alkaline batteries be used when replacing the batteries.) * 0 dBu = 0.775 Vrms

RC-20 REAR PANEL



RC-20 Specifications

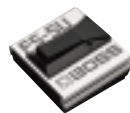
● **Nominal Input Level** INPUT: -20 dBu (variable), MIC: -40 dBu (variable), AUX IN: -10 dBu ● **Input Impedance** INPUT: 1 M Ω , MIC: 1 k Ω , AUX IN: 47 k Ω ● **Nominal Output Level** OUTPUT: -20 dBu ● **Output Impedance** 1 k Ω ● **Recommended Load Impedance** 10 k Ω or greater ● **Internal Memory** Recording Time: 5 min. 30 sec. (max.), 10 loop phrases + 1 one-shot phrase (max.) ● **Controls** REC/PLAY/OVERDUB Pedal, STOP/TAP TEMPO Pedal, INST Knob, MIC Knob, PHRASE SELECT Knob, GUIDE Knob, LEVEL Knob, REVERSE Button, TAP TEMPO Button, WRITE Button, EXIT Button, AUTO START Button, MODE Button ● **Indicators** POWER, REC, PLAY, OVERDUB, PEAK, PHRASE USED, MEMORY FULL, LOOP QUANTIZE, TAP TEMPO, REVERSE, WRITE, EXIT, AUTO START, INST & MIC, NORMAL, CENTER CANCEL, FLAT AMP SIMULATE ● **Connectors** INST Jack, MIC Jack, AUX IN Jack (Stereo miniature phone type), PHRASE SHIFT Jack, REVERSE Jack, OUTPUT Jack ● **Power** DC 9V: Dry battery (AA type) X 6, AC Adaptor ● **Power Consumption** 85 mA (9 V max.) (Expected battery life under continuous use; Carbon: 9 hours, Alkaline: 25 hours. These figures will vary depending on the actual conditions of use.) ● **Dimensions** 173 (W) X 158 (D) X 57 (H) mm, 6-13/16 (W) X 6-1/4 (D) X 2-1/4 (H) inches ● **Weight** 1.2 kg/ 2 lbs. 7 oz. (including batteries) ● **Accessories** Owner's Manual, Roland Service (Information sheet), Dry battery (AA type) X 6 (We recommend that alkaline batteries be used when replacing the batteries.), Sound Library for RC-20 (Sample Phrase CD) * 0 dBu = 0.775 Vrms

OPTIONS

AC Adaptor
(PSA-Series)



FS-5U
Footswitch (Unlatch Type)



DP-2
Pedal Switch



Roland

COSM

Composite Object Sound Modeling

Once a musical instrument generates sound vibrations, it reaches the human ear through various mediating objects, each of which significantly affects the sound. The material and configuration of the instrument, the electric/electronic/magnetic amplifying system, the air and the reverberation of the room all affect the final sound. Sound modeling, the latest DSP technology, "virtually" reconstructs these objects. Roland's breakthrough Composite Object Sound Modeling (COSM) uses the advantages of multiple modeling methods and succeeds in accurately emulating existing sounds, as well as producing sounds that have never before been created.



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