

## BSS - DPR-504 Quad Noise Gate



The DPR-504 is a 4-channel noise gate. Each channel features:

- Parametric key filter with key filter listening
- Simultaneous key level and threshold metering with average and peak metering.
- Gate status LED.
- Release/Hold control (hold tracks proportionally with release times).
- Attack switchable auto/fast (auto tracks signal dynamics for optimum setting)
- Link (links two channels together)
- Key source allows external triggers

The Range switch selects between 70dB and 20dB gating depth to provide alternative release profiles. The unit features electronically balanced inputs and outputs.

## Input Section

<b>Impedance</b>	Balanced 12kOhm differential
<b>Max Input Level</b>	+20dBv
<b>CMRR</b>	Better than 50dB, 20Hz to 20kHz
<b>Connector</b>	XLR331 or equivalent

## Output Section

<b>Impedance</b>	Balanced and floating to drive 600 Ohm loads
<b>Max Output Level</b>	+20dBv into 600 Ohm load
<b>Connector</b>	XLR332 or equivalent
<b>Range</b>	Switchable attenuation between 70dB and 20dB The latter may be user defined by internal links

## System Performance

<b>Frequency Response</b>	+ 1dB, 20Hz to 20kHz Ultrasonic low pass filter 3dB at 32kHz
<b>Noise</b>	Measured to CCIR 4682 Zero attenuation : less than 86dBv
<b>Maximum attenuation</b>	<-90dBv
<b>Distortion</b>	THD less than 005%, 20Hz to 20kHz
<b>SMPTE IM</b>	< 002%
<b>Crosstalk</b>	> 90dB 20Hz to 20kHz

## Operating Controls

<b>Key Filter Frequency</b>	Variable between 30Hz and 15kHz centre
<b>Key Filter Width</b>	Variable between 05 and 10 octaves
<b>Key Source</b>	Internal or External, via rear panel 1/4"TRS jack
<b>Threshold</b>	Variable between +20dBv and 50dBv
<b>Attack</b>	Audio attack switchable FAST (20µs) or AUTO (40µs 5ms, programme dependant)
<b>Release</b>	Combined Hold/Release function is variable 1ms to 3 sec Hold period tracks proportionally with Release
<b>Link</b>	Stereo linkable in paris 1/2 and 3/4 Channels 1 and 3 become masters

## Metering

<b>Key Side Chain</b>	Simultaneous average and peak reading 12 point LED display showing 20dB range either side of threshold
<b>Gate Open Marker</b>	Single LED shows exact gate status and mimics response profile
<b>Ext Key Socket</b>	3 pole, 1/4" RTS jack socket used for EXT keyin or key insert functions

## General

<b>Size</b>	482mm x 44mm x 282mm (19" x 1.75" x 11")
<b>Weight</b>	5kg (11lbs) gross shipping
<b>Electricity Supply</b>	Switched 120/240V +10% 20% 50/60Hz

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