

MR 600 series



The D&R MR600 is a logical development of the highly successful MR122 series and has been designed to meet the demand for a professional quality mixer at a budget price, but with more facilities, such as higher input sensitivity for home and classical recording.

Each CHANNEL has an electronically balanced mic-amp with high hum rejection, using the latest development of ultra low-noise integrated circuits. Separate unbalanced line-level jack inputs, which can be used as break-points for mic signals. Selection takes place by plugging-in the line jack. The GAIN control has a range of more than 70 dB on mic and even more on line signals. The EQUALIZER is of our proven three band type with carefully chosen frequencies.

FOLDBACK (prefader), ECHO send(post-fader), PAN, a locking PREFADE LISTEN pushbutton, an overload LED indicator and a FADER completes the channel controls.

The MASTER section has four master faders LEFT, RIGHT, FOLDBACK and ECHO. The ECHORETURNS are stereo and can be used as two extra line level inputs,

There is a MONITOR SELECT to pre-fade-listen or echo, foldback or stereo master. It simultaneously switches the left VU-meter for level purposes.

All the electronics are on individual vertically mounted printed circuit boards allowing easy access for servicing and simple replacement in the rare event of component failure.

The integrated circuits are of the latest development in low noise high output BI-FET op-amps which guarantees you a mixing desk without hardly measurable distortion, a power bandwidth up to 100 kHz, a superior square wave response and no transient intermodulation distortion from mic-input to line level output.

This all assures you of a bright pleasant and transparent sound not yet found in mixing desks in this price tag.

Construction is of black anodised aluminium mounted on wood, covered with durable vinyl assuring a long life.

The mixer is available in 6, 12 and 18 channel versions.

SPECIFICATIONSINPUTS

Mic impedance 1 kOhm balanced, recommended for use with 200 Ohm mics.  
 Line impedance 10 kOhm unbalanced.  
 Common mode rejection mic input greater than 70 dB.

Minimum mic input level for 0 dBv out: -83 dBv (max input level 0 dBv)  
 Minimum line input level for 0 dBv out: -32 dBv (max input level +20 dBv)

NOISE

Mic input at max gain -125 dBv 20-20.000 Hz  
 Line input max gain -76 dBv 20-20.000 Hz

TONE CONTROLS

High +18 dB at 15.000 Hz  
 Mid +12 dB at 1.000 Hz  
 Low +18 dB at 50 Hz

OVERLOAD LED INDICATOR

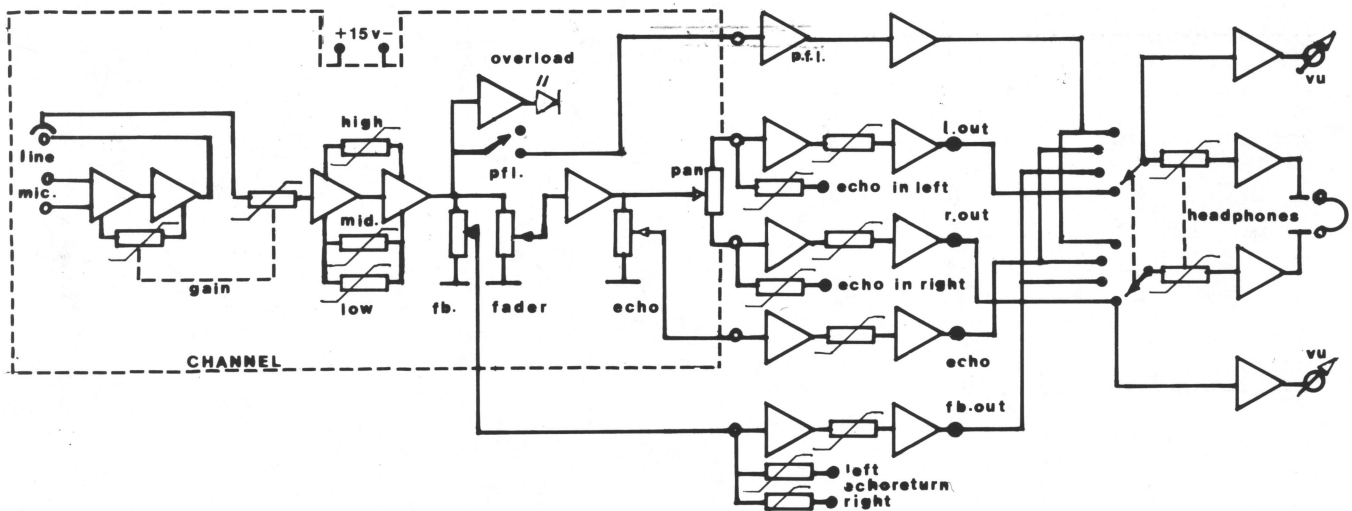
Illuminates when prefader level exceeds +15 dBv.  
 Channel headroom 28 dB 6 dB after channel fader.  
 Echo return sensitivity max 26 dBv 10 kOhm.

OUTPUTS

0 VU indicates 0 dBv max output +22 dBv into loads of 5 kOhm and above.  
 Residual output noise less than -90 dBv (master-fader down).  
 Residual output noise -76 dBv (master-faders -6 dBv, channel-faders and sends fully down).  
 Output impedance all outputs less than 100 Ohms, including headphones.

OVERALL

Frequency response +0 -0,5 dBv from 10-100.000 Hz (mic in-line out).  
 Total distortion less than 0,01 typically.

BLOCK DIAGRAMDIMENSIONS

6 Channel version: 540 x 455 x 90 mm  
 12 Channel version: 840 x 435 x 90 mm  
 18 Channel version: 1080 x 435 x 90 mm

OPTIONS

- phantom powering +15 Volts
- din or xlr in/outputs
- multipin connector - flight case
- stereo channels (MD/Line)

We reserve the right to modify or change designs without prior notice.