**General Description**

“Oh, my aching back!” and “Dang, I’m outta rack space!” are the battle cries of road warriors everywhere. The MP 2 Mobile Mixer is designed specifically for the on-the-go discriminating DJ. The MP 2 is compact in size and refreshingly lightweight. Don’t let its petite appearance fool you. This mixer may be skinny in stature, but it’s fat on features and function. The MP 2 is easy on your back, easy on your wallet, and music to your ears!

The MP 2 is packed with all the necessary features for a great performance and perfect mix. Each Program bus selects any of the four stereo Inputs. Any Input can appear on either side of the Crossfader! You have two selectable phono/line Inputs and two stereo line Inputs for each of the two Program buses. Each Program bus has its own Bass and Treble EQ.

Identical to other Rane mixers, the crossfader is a long lasting, noise-free 60 mm Active Crossfader™.

The MP 2 includes many additional important features. Cue Engage on each bus, Headphone slide fader that pans Cue to Master and a powerful low-noise Headphone Amp with Level control, of course. You also get a balanced Main Mic input with full-range fader control. Outputs include a Tape Out with Pre/Post Mic sum, a balanced Auxiliary Output with Level control for booth monitoring or feeding an additional zone and a balanced house feed.

**Features**

- High performance VCA Active Crossfader
- Compact & Mobile 1U design
- Loud, high quality headphone amplifier
- Phono/Line switchable inputs
- Two stereo, balanced outputs
- Separate EQ on each bus
- Separate meter on each bus

**Applications**

- Mobile DJ
- Night Club mixing
- Radio Remote Broadcasting
- Remix Project Studio
- Post Production
- Anywhere rack space is tight, mobility is a must and Rane quality is demanded.
### Parameter | Specification | Conditions
--- | --- | ---
Phono Inputs: | 2 stereo pairs | RCA jacks, RIAA curve ±2 dB
Input Impedance | 47k / 220pf | 1 kHz
Gain | 46 dB | RCA jacks
Line Inputs: | 2 stereo pairs | 1 kHz
Input Impedance | 20 kΩ | 1 kHz
Gain | 14 dB | Gain 10 dB, 2 kΩ load
Frequency Response | 10-27 kHz (+0, -3 dB) | 20 kHz BW
Noise, Unity Gain | -82 dBu | 20 kHz BW, re +4 dBu
Noise, Max Gain | -80 dBu | 20 kHz BW, 20-20k Hz, +0 dBu
THD+N | 0.05% | 1 kHz
Crosstalk | <-70 dB | 2 kHz
Control feedthrough | <-80 dB | 2 kHz
Tone Controls: | Baxandall | Two-band, shelving
Metering: | Dual mono, 4-segment | -24, -12, 0, +12 dBu, peak responding
MIC Input: | Balanced instrumentation | ¼" TRS Jack
Input Impedance | 511 Ω | Each leg to ground, 1 kHz
Gain | 50 dB | 1 kHz
Frequency Response | 20-20k Hz (+0, -3 dB) | 1 kHz
Equivalent Input Noise | -111 dBu | Gain 50 dB
Common Mode Rejection | >40 dB | 150 Ω source, gain 50 dB
House / Aux. Outputs: | Stereo | 150 Ω source, gain 50 dB, 1 kHz
Output Impedance | 102 Ω | Balanced, ¼" TRS jacks
gain 50 dB
Gain | 6 dB | each leg, 1 kHz
Maximum Output | +26 dBu | 1 kHz
Tape output: | Stereo | 1 kHz, 2 kΩ load
Output Impedance | 300 Ω | RCA jacks, unbalanced
gain 50 dB
Gain | 0 dB | each leg, 1 kHz
Maximum output | +22 dBu | 1 kHz
Power Supply: | 18 VAC center tapped | 1 kHz, 2 kΩ load
Remote RS 1 Supply | | 750 mA rms max
Agency Listing: | Class 2 equipment | See RS 1 Data Sheet
120 volt units | UL / CSA exempt | National electric code
230 volt units | CE-EMC | Exempt class 2
Power Supply (120 volt): | CE-safety exempt | EMC directive 89/336/EEC
| CE-EMC | File no. E88216 / file no. LR58948
| CE-safety | EMC directive 89/336/EEC
Construction: | All Steel | LV directive 73/23/EEC
Unit Size | 1.75"H x 19"W x 5.3”D | Standard 19” x 1U rack-mount
Unit Weight | 4 lb | 4.4 cm x 48.3 cm x 13.3 cm
Shipping Size | 4.25” x 20.3” x 13.75” | 1.8 kg
Shipping Weight | 8 lb | 11 cm x 52 cm x 35 cm
3.6 kg

Note: All specifications are typical unless otherwise stated.
**ARCHITECTURAL SPECIFICATIONS**

The MP 2 shall be a small, lightweight DJ mixer occupying 1U in a standard 19” rack. The mixer shall include two stereo phono inputs and two stereo line-level inputs. The phono inputs shall include a switch to allow line level operation. The mixer shall have two stereo mixing channels. A 60mm, high performance VCA crossfader shall be provided. Each of the four stereo inputs shall be assignable to the A-side and/or B-side of the crossfader. Dual-mono metering shall indicate the mix level of Program-A and Program-B.

A balanced microphone input with ¼” TRS jack shall be provided. The gain range shall be continuously adjustable from off to +50 dB.

The MP 2 shall have a stereo, balanced house output and a stereo balanced auxiliary output with independent level control. A stereo unbalanced tape output shall include a switch to select pre- or post-microphone operation. Headphone monitoring shall include independent cue switches for program one and program two, panning between master mix and cue selection and a level control. Output shall be via a ¼” TRS jack.

The unit shall be powered by an external RS 1 power supply. The power supply shall be UL listed, CSA certified and CE certified. The unit shall be CE certified.

*The unit shall be a Rane MP 2 Mixer*
Rear View

Example System Diagram