



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for RANE EMPATH ROTARY. You'll find the answers to all your questions on the RANE EMPATH ROTARY 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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DATA SHEET

EMPATH ROTARY
MIXER

General Description

The Empath Rotary mixer is the latest version of the popular Empath mixer family from Rane. The only difference is the rotary channel faders. All other features are identical between the four versions:

- Rotary Empath
- Original Blue
- Black on Black
- Grandmaster Flash Signature Edition

The Empath combines the vision of Grandmaster Flash and Rane technology. Compact size, exceptional performance and advanced features set the Empath mixer apart. The Empath is the most stable 3-channel, 10" format mixer available. The name implies: understanding, awareness and sensitivity to the needs of DJs.

Empath Features

- **Auto-Gain** prevents performance-wrecking swings in program level when changing sources. The music is never too soft or clipped.
- **FlexFX™** is a post-fader external stereo effects loop with individual Dry/Wet pan controls for Mix and Input channels 1, 2 and 3.
- **Flash-Cue** allows the DJ to rapidly select Crossfader A-Cue-sum or Crossfader B-Cue-sum with the flick of a switch, normally slow or complicated on other mixers.
- **Low and High headphone tone controls** allow the DJ to match their mixer to their headphones.
- **Two assignable CD triggers** work with any CD player with fader start ability.
- **Accelerated Slope™**, full-cut, 3-band tone controls are the most flexible and highest quality available.
- **Crossfader assign switches** allow any Input Channel to be mixed on the A-side, B-side or Post Crossfader.
- **Level meters** view Stereo Cue, Stereo Master Mix, Split Cue or Main Output signals.



- **Contour controls** are provided for the Crossfader, Input-1 and Input-3 controls, allowing any fader response from slow smooth fade to fast cut.
- **Both 1/8" and 1/4" headphone jacks** are simultaneously usable. More headphones are compatible with the Empath.

Data Sheet-1



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Manual abstract:

All other features are identical between the four versions: · Rotary Empath · Original Blue · Black on Black · Grandmaster Flash Signature Edition The Empath combines the vision of Grandmaster Flash and Rane technology. Compact size, exceptional performance and advanced features set the Empath mixer apart. The Empath is the most able 3-channel, 10" format mixer available. The name implies: understanding, awareness and sensitivity to the needs of DJs.

Empath Features · Auto-Gain prevents performance-wrecking swings in program level when changing sources. The music is never too soft or clipped. · FlexFXTM is a post-fader external stereo effects loop with individual Dry/Wet pan controls for Mic and Input channels 1, 2 and 3. · Flash-Cue allows the DJ to rapidly select Crossfader A-Cue-sum or Crossfader B-Cuesum with the flick of a switch, normally slow or complicated on other mixers.

@@@@@@@@@@@@@@@@@With AGC on, the gain is increased when it's above -16 dB, and decreased when it goes over the 0 dB Target (red line).

Once AGC is active and falls below -16 dB, it is held indefinitely (blue line).

SLOW FAST 12 9 AUDIO PRECISION AMPL (dBr) vs AMPL (dBr) 23 MAY 102 13:01:49 O6 U3 T P0 U T -3 L -6 E V -9 E L -12 -15 -18 -21 Gain is held below Threshold Gain is increased Target Gain is decreased -16 dB Threshold -21 -18 -15 -12 -9 -6 -3 0 3 6 9 12 SLOW FAST -24 -24 INPUT LEVEL Rear Panel Features · Universal internal power supply. When traveling, finding power supply adapters is difficult. The Empath accepts 100 to 240 VAC, 50/60 Hz power, for use anywhere in the world without adapters. · Multiple Outputs. Nothing is more frustrating than arriving at a club and finding their jacks don't match.

Systems may have XLR, TRS or RCA connectors. The Empath provides all 3. ©Rane Corporation 10802 47th Ave. .



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