General Description

Meet the Rane MP25 mixer, satisfying the audio and ergonomic demands of performing DJs, in a 19″ rack format preferred by nightclubs, with a compact 4U design that drops easily into a mobile rig. It's the same size as a classic Rane MM 8z, MP 24 or MP 22 series Mixer.

Sporting two microphone inputs, four studio-grade phono preamps, four analog aux inputs, four low-latency stereo USB inputs, analog and USB effects insert loops, and a variety of analog and digital outputs; the MP25 remains rooted in analog tradition while reaching new heights of digital connectivity.

Reliable, low-latency, multi-client ASIO and Core Audio drivers interface the MP25's twenty-two USB audio channels directly to your favorite multi-track mixing, beat-making, looping, effects, and recording applications. Additionally, the MP25's front panel controls are MIDI enabled, allowing manipulation of software parameters directly from the mixer's control surface.

Features

INPUTS

- Four individually switchable stereo Phono/Line inputs.
- Four stereo Auxiliary inputs.
- Four stereo USB playback inputs.
- Two microphone inputs with optional Talkover ducking:
    - One with front and rear panel connectors.
    - One with a line-level input option.

OUTPUTS

- Stereo Main Outputs on balanced XLR and unbalanced RCA:
    - Rear panel Mono/Stereo switch.
    - Rear panel Max Out level attenuator.
- Stereo balanced ¼" TRS Zone and Booth outputs:
    - Auto-mono output on both Left and Right jacks.
- Stereo Record outputs on RCA, S/PDIF and USB.

USB

- Four stereo playback channels stream audio directly from your favorite playback, mixing, beat-making, and looping applications to the MP25's digital mixer engine.
- Four stereo record channels stream the four post-fader program channels to your audio application for multi-track recording. A fifth stereo record channel streams Mic 1, Mic 2, or the Main Mix to your recording application.
- The USB Effects Loop enables insertion of stereo computer-based effects processors into the MP25's powerful FlexFX bus.
- Low-latency ASIO / Core Audio drivers eliminate delay between the control input to audio software and the audible result.
- Multiclient ASIO / Core Audio drivers allow multiple software applications to simultaneously stream audio to and from the mixer.
- The MP25 MIDI device exposes the MP25 front panel as a MIDI controller, allowing control of audio application parameters using the mixer's control surface.

MP25
CLUB MIXER

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Features and Specifications

Parameter	Specification
Phono/Line, Aux, FlexFX Inputs	4 stereo unbalanced RCA jacks
.....Phono or Line Level	Rear panel switch for each Phono/Line input
.....Phono Response	RIAA curve ±1 dB, Gain = 36 dB @ 1 kHz
.....Max Phone Input	63 mV @ 1 kHz
.....Max Line Input	4 Vrms
Mic Inputs	Balanced ¼″ TRS & XLR combination jacks
.....Mic 1	Front and rear panel jacks
.....Mic 2	Rear panel jack with Mic/Line-level switch
.....Max Input (Mic Level)	185 mVrms (-12.5 dBu)
.....Max Input (Line Level)	3.7 Vrms (13.6 dBu)
.....EIN (Equivalent Input Noise)	-110 dBu
FlexFX	Unbalanced ¼″ TS
.....Send	Auto-mono, Left and Right Output jacks
.....Return	Auto-mono, Left and Right Input jacks
Outputs: Main, Zone, Booth, Record, FlexFX	Balanced XLR & ¼″ TRS, unbalanced RCA & ¼″ TS
.....Frequency Response	20 Hz to 20 kHz, +0.25 dB / -1.5 dB
.....THD+N	<0.03% re 0 dBFS, 20 to 20 kHz, 20 kHz BW
.....Max Output (RCA and Unbalanced ¼″ TS)	4 Vrms
.....Max Output (XLR and Balanced ¼″ TRS)	8 Vrms
.....Zone/Booth	Auto-mono, left and right jacks
.....Main Output	Mono switch, rear panel attenuator (0 to -24 dB)
Dynamic Range, Line Input to Line Output	100 dB A-weighted
Analog to Digital Converters (ADCs)	24-bit, 48 kHz; Dynamic range 101 dB A-weighted
Digital to Analog Converters (DACs)	24-bit, 48 kHz; Dynamic range 107 dB A-weighted
Digital Signal Processing (DSP)	48 kHz, 32-bit, floating-point
USB Audio	48 kHz, 32-bit, floating-point
.....Stereo Record Channels	6
.....Stereo Playback Channels	5
Universal Internal Power Supply	100 to 240 VAC, 50 Hz to 60 Hz, 12 W max
USB Power	Mixer is self-powered
Unit: Agency Listing	UL / cUL Listed, E193164
..........Construction	All Steel
..........Size (Inches)	7″ (4U) H x 19″ W x 4.6″ D
..........Size (Metric)	17.8 cm x 48.3 cm x 11.7 cm
..........Weight	9.1 lb (4.14 kg)
Shipping: Size (inches)	21.5″ L x 11.875″ W x 7.25″ D
..........Size (metric)	54.6 cm x 30.2 cm x 18.4 cm
..........Weight	14 lb (6.35 kg)
Notes: 0 dBu=0.775 Vrms. All specifications are typical unless otherwise stated.	

Two Mic Inputs
- Mic 1 allows connection to either front or rear jack.
- Mic 2 allows switchable Mic or Line level Input.
- Record Mic 1, Mic 2, or the Main Mix via USB.

Each Mic includes
- Pan and 2-band full-cut tone controls.
- FlexFX bus assignment to effects.
- Talkover mode engages the mic and automatically ducks all other program inputs by 10 dB.

Four Program buses each include
- Selection of a Phono / CD Input, USB playback Input, or any of the four Aux Inputs.
- 3-band full-cut tone controls.
- Sweepable Low-Pass / High-Pass filters.
- Crossfader A, B, or Post assignment.
- FlexFX bus assignment to external effects.
- Pre-fader cue bus assignment.
- 60 mm long-throw program fader.

FlexFX™ Bus
routes all assigned audio channels to individually selectable analog and USB effects loops.
The analog loop provides Send and Return Level controls, and auto-mono unbalanced ¼" TS connectors.
The effected signal may be assigned to the Cue bus.

Main Output (XLR and RCA) includes Balance and Level controls, and rear panel Mono and 0-24 dB attenuation controls.

Zone Output
with a Level control and auto-mono balanced ¼" TRS outputs.

The **Booth** Output includes a Level control and auto-mono balanced ¼" TRS outputs.

Phones accept both ¼" and 3.5 mm plugs. Level, Pan and Split Cue controls support different monitoring styles.

The **Crossfader** is a no-noise, no-bleed magnetic fader, with three contour settings.

The Main Mix may be assigned to the FlexFX bus and Monoed.

FlexFX

The FlexFx architecture in the MP25 is more powerful than typical effect insert solutions. The architecture includes the FlexFx Bus, an auxiliary bus routed to the FlexFX Loop which includes two independent effects inserts. Any combination of PGM 1-4 and Mic 1-2 may be routed to the FlexFX Bus. Any combination of external analog and USB effects may be applied within the FlexFX Loop. It's possible to cue and meter the FlexFX Loop return. You may also bypass the entire FlexFX Loop using a single button to instantly punch in and out a combination of effects. The final FlexFX Level controls the amount of the FlexFX audio in the Main Mix. The FlexFX architecture allows you to quickly apply any combination of effects to a variety of sources to produce unique, compelling mixes on the fly.

The order of processing in the MP25's FlexFx architecture is:

①Independent FlexFx assign for PGM 1-4 and Mic 1-2, or assign all sources simultaneously with the Main FlexFX button.

②Ext. Analog Insert, with Send and Return Levels.

③USB Insert.

④FlexFX Loop return Cue and Meter.

⑤FlexFx On (FlexFX Loop Bypass).

⑥FlexFx Mix Level control.

External Audio Effects — Any stereo effects unit connected to the Send and Return can be inserted independently or in combination with other effects. The external analog loop includes Send and Return Levels to match mixer and processor audio levels.

USB Effects — Your favorite VST effects plug-ins on your computer can be inserted independently or in combination with other effects using the FlexFX USB Insert.

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Rear Panel


Side View

Included with the MP25:

- MP25 Mixer
- 1 USB cable
- IEC C5 line cord
- Printed color manual
- Driver install disc
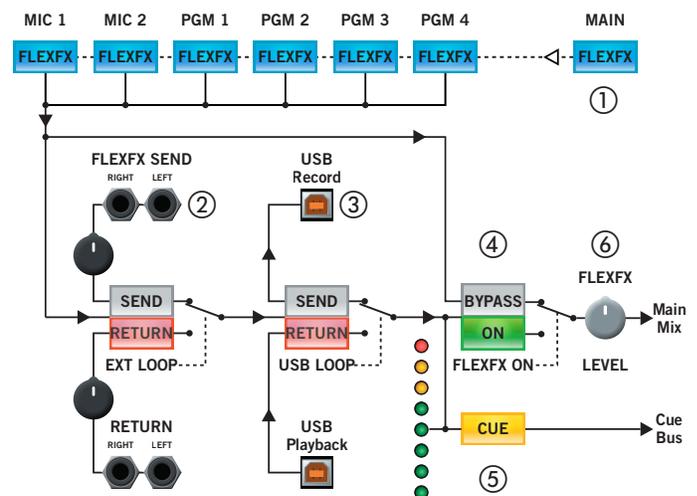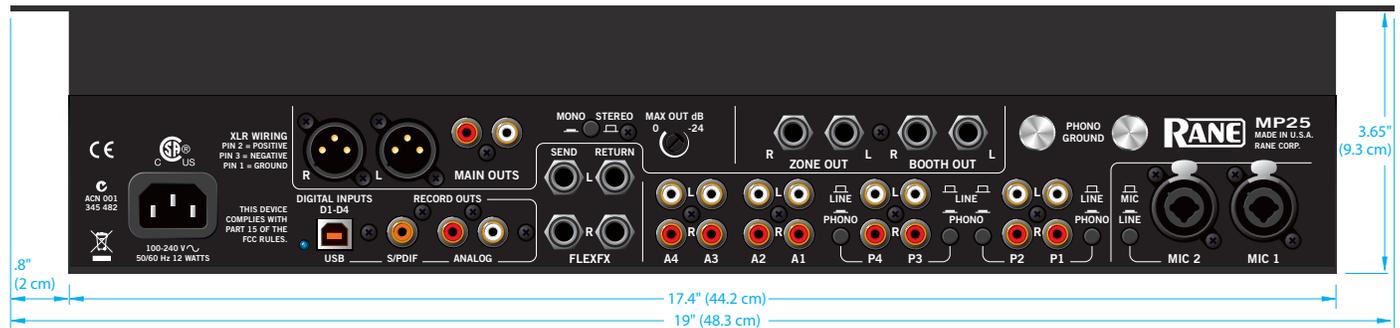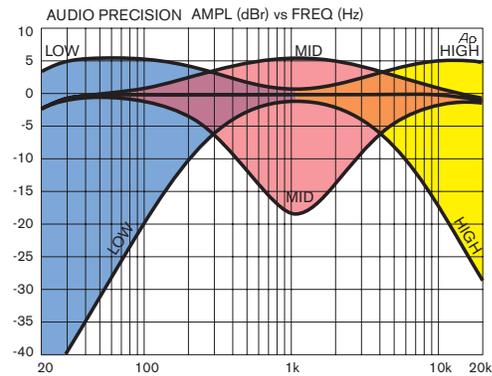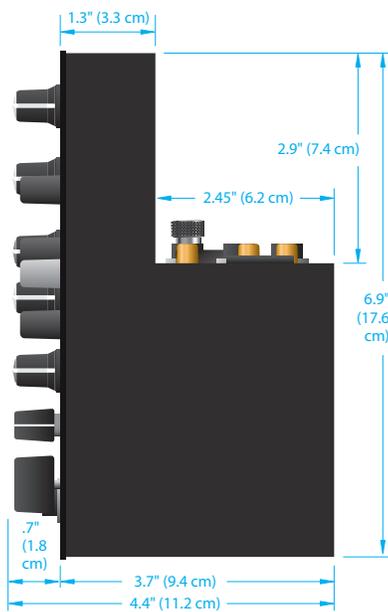
This diagram shows the range of boost (+6 dB) to cut (OFF) of the three tone controls.

Software Recommedations

ASIO and Core Audio software applications are compatible with the MP25, which includes a low-latency, USB 2.0, high-speed, 10-input, 12-output audio interface. The MP25 front panel controls are MIDI-mappable in supporting software.

The MP25 ASIO and Core Audio drivers require the following minimum system capabilities:
- PC: XP, Vista, Windows 7.
- Mac: OS X 10.5 or higher.
- System Memory: 2 GB or more.
- Processor: 2 GHz single core or better.

Visit the MP25 page at **www.rane.com/mp25.html** for the most recent product documentation and drivers, as well as links to third-party software.

Find the most up-to-date information on all Rane hardware, manuals, drivers, accessories, RaneNotes, and the Rane Pro Audio Reference at www.rane.com. USA customers may purchase accessories from the online store.

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