



## PRODUCT INTRODUCTION

The Razr DP88 audio processor is a freely designed audio processing and control system. It adopts advanced DSP processing technology, has a new automatic mixing, Feedback elimination, etc, targeted to solve various practical problems in the application scene. The built-in Dante module provides a high bandwidth, low latency, high compatibility and low cost solution for network audio transmission. Because most of the controls are handled by software, It looks much simpler. The operators only need to click the mouse gently, no longer like before, that adjust the complex large mixer in the field to complete the function conversion. The Razr DP88 simplify the operation difficulty greatly.

## MAIN FEATURES

- USB Background music playback and recording function
- Support mobile phone,pc,tablet control and distributed cloud control
- DSP audio processing, built-in automatic mixer, optional feedback elimination, echo elimination,noise elimination module
- Input per channel : Front stage amplifier, signal generator, expander, compressor, 5 stage parameter equalization
- Output per channel : 31 section diagram equalizer, delay device, frequency divider, limiter
- Full function matrix 8x8 remix
- Support for scenario presets
- Automatic memory protection when power off
- 1U Whole aluminum chassis
- Support program settings and save programs as required.



## THE SOFTWARE EXPERIENCE

Our designed PC version control software is the best tool for you to monitor and operate the digital audio processor, which can be used to edit and store scenes (such as meeting mode, artistic performance mode, concert mode, etc.) according to the acoustic characteristics of different functions. The system built-in lock screen function, It can effectively avoid the occurrence of wrong operation.



Windows Platform client software

The digital audio processor comes with B/S architecture server, which is accessed through web browser, not only realizing channel control and scene selection, but also directly providing download links of PC client and platform components.



Browser interface

Installed on tablet and mobile phone APP client, sedate and simple design style, panoramic function menu, with fast operation bar, It can be very convenient for the processor to carry out various operations. Everything just to give you a better user experience. The Software Experience



### IOS Platform control software

Efficient and comprehensive algorithm is the basis of perfect sound quality, but also the crystallization of engineers' experience and wisdom. The built-in core algorithm is the soul of the processor.

#### ⊙ AUTOMIXER

1. Improve the transparency and clarity of speech;
2. The feedback, reverberation and comb filtering effects are significantly reduced.
3. Automatic adjustment, simplified Settings, plug and play;
4. It can solve common problems such as insufficient gain before feedback and unclear speech.

Each input channel has a dual-band equalizer.

5 The adaptive noise threshold allows each input channel to distinguish between continuous background noise (such as air conditioning) and changing sound (such as voice), and constantly adjusts the channel activation threshold, so that the channel can only be activated when the voice volume is higher than the background noise;

6 .Lock the last mic until the next mic is activated, ensuring that background ambient sounds are present (without the last mic lock, a long pause in the conversation shuts down all the microphones, as if the audio signal is missing);

7 Precisely control the priority of each microphone and lock down key speakers.

#### ⊙ Automatic feedback elimination (AFC)

1. Multi-point filtering and multi-subband frequency shifting keep the harmonic property of the original pitch period without causing sound distortion.
2. Through acoustic modeling of room feedback path, the acoustic feedback can be eliminated adaptively.
3. It can quickly track the feedback path changes and greatly enhance the ability to suppress the noise.

The microphone transmission gain can be increased by 6-18db, greatly enhancing the microphone gain, suitable for various large, medium and small meeting rooms.

Core algorithm

\*\*\*All specifications are subjected to change without notice