

Model List

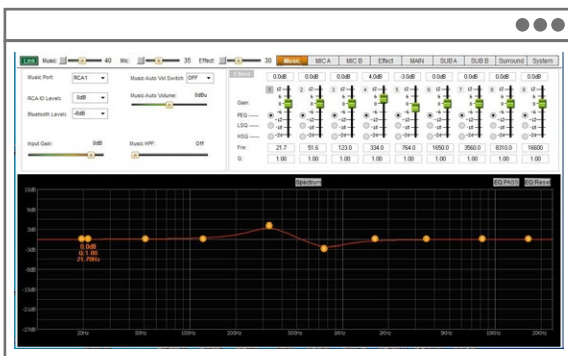
- DSP 02 | Digital Effect Processor

Product Introduction

DSP 02 provides two microphone inputs with independent volume and sensitivity adjustment, and an infrared receiver for remote control. It has an LCD HD display for detailed parameter adjustments and status. The panel includes a MUTE button for one-click muting of output channels and a UV level light for visualizing the audio level of the main output's left and right channels. Equipped with Bluetooth 3.0 for connecting to mobile devices, it supports fiber optic input with a 32-bit high sampling rate decoding chip for low latency, lossless playback. Other features include USB drive MP3 playback, PC-LINK for online debugging, RS-232 serial port for central control, and programming with a robust construction weighing 4.5kg.

Key Features

- Two microphone inputs with independent volume and sensitivity adjustment plus infrared remote control.
- LCD HD display for parameter adjustments and status monitoring with MUTE button.
- UV level light for visualizing audio levels of main output left/right channels.
- Bluetooth 3.0 connectivity for mobile devices and USB drive MP3 playback support.
- Fiber optic input with 32-bit decoding chip for low-latency audio playback.
- 5.1 decoding capability with Main, Surround, and Subwoofer XLR output channels.
- PC-LINK for online debugging and RS-232 serial port for central control integration.
- SNR $\geq 80\text{dB}$ and frequency response of $10\text{Hz} - 20\text{kHz} \pm 3.0\text{dB}$ for main output.
- Dimensions of $485 \times 230 \times 44.5 \text{ mm}$ and a weight of 4.5 kg .
- Five 6.35mm microphone sockets (front and rear) with independent dual mic adjustment.



Software Included



DSP 02

Technical Specification

DSP 02

Input Channels	2x Mic (Front TRS) 2x Mic (Rear TRS) 2x AUX (RCA)
Output Channels	Main L, Main R, Surround L, Surround R, Subwoofer L, Subwoofer R
Signal to Noise Ratio (SNR)	≥80dB
Distortion (THD)	≤0.6% (Output XLR 1Vrms @ 1kHz)
Frequency Response	10Hz - 20kHz ±3.0dB
Input Sensitivity/Impedance	350 ± 10% mV / 20kΩ
Maximum Output	≥ 2.5Vrms XLR Out / ≥ 6.0Vpp XLR Out
Microphone Part	
Signal to Noise Ratio (SNR)	≥80dB
Distortion (THD)	≤0.8% (Output XLR 1Vrms @ 1kHz)
Frequency Response	100Hz - 20kHz ±3.0dB
Input Sensitivity/Impedance	50 ± 10% mV / 20kΩ
Maximum Output	≥ 2.5Vrms XLR Out / ≥ 6.0Vpp XLR Out
Other Function Description	
Microphone Input Interface	6.35mm (5 Mic Sockets)
Computer Control Interface	RS232/USB
Power Supply	AC 220V/50Hz
Additional Features	5.1 Decoding, Dual Mic Adjustment, EQ
Dimension (W x D x H)	485 x 230 x 44.5 mm
Weight	4.5kg