

D6675

Digital Audio Processor



Description

The D6675 digital audio processor is a high-quality digital audio processor equipped with 5 Mic inputs, 1 stereo line input, and 6 balanced outputs. This product has built-in DSP functions such as input and output gain regulator, noise gate, compressor, equalizer, frequency divider, delay device, feedback suppressor, echo effects, reverb effects and etc. The device is connected to a computer via a USB cable for control, and can also be controlled via a small screen on the panel. RS-232 is connected to the central control for remote control, making it suitable for use in various occasions.

Features

- 2-inch high-definition LCD display, multifunctional adjustable knob, mute and editing status;
- Support 48KHz sampling frequency, built-in 32-bit DSP processor, support 24-bit A/D and D/A conversion;
- Support 2 optional audio signal inputs, 6 audio signal outputs and 5 microphone inputs (of which 1/4 and 2/5 are optional), and can flexibly combine multiple frequency division modes, and the high-pass and low-pass frequency division points can reach 20 Hz-20KHz;
- Support USB flash drive MP3 playback, support Bluetooth playback;
- Support the control of music volume, microphone volume and effect volume through different knobs on the panel;
- Each output has delay and phase control and mute setting, and the maximum output delay is 100ms;
- The input channel supports control gain adjustment, noise gating, compression and equalization; The output channel supports control gain adjustment, voltage limitation, equalization, etc.
- The output channel supports controlling the effect proportion, microphone volume, music volume and effect volume of the channel;
- Support function settings through the function keys and knobs on the panel, and supports connecting to

a computer to control the device through the PC control web page;

- Supports locking some or all functions of the panel operation through the "LOCK" key on the panel to prevent non-staff operations from damaging the working status of the machine;
- Provide USB interface to connect with computer; Provide storage and switching of 16 scenes;

Specifications

| Model | D6675 |
|---|---|
| DSP Chip | |
| Signal Processing | 32-bit floating-point DSP |
| Digital-Analog Conversion | 24-bit |
| Sampling Rate | 48KHz |
| Analog Audio Input and Output | |
| Input Channel | 5-way Mic, 2-way Mic, 2-way AUX |
| Audio Interface | XLR, RCA, TS |
| Input Impedance | 10k Ω |
| Maximum delay setting for each output channel | 100ms |
| Output Channel | 6 XLR outputs |
| Output Impedance | 200 Ω |
| Max. Output Level | +12dBV |
| Audio Performance | |
| Frequency Response | 20Hz-20kHz(\pm 1dB)/Line 20Hz-20kHz(\pm 1dB)/Mic |
| THD+N | -90dBV(@0dB,1kHz,A-wt)/Line |
| SNR | 100dB(@10dBV,1kHz,A-wt)/Line |
| Connection & Display | |
| RS232 | (Can be controlled by serial command) |
| Display Screen | Display adjustable parameters, volume, etc. |
| Electrical Physical Parameters | |
| Power Supply Range | AC(95V~125V) 60 Hz (power switch is at 110V) |
| Power Supply Range | AC(190V~250V) 50 Hz (power switch is at 220V) |
| Dimension | 44mm×483mm×218mm |
| Net Weight | 6.8Kg |
| Working Temperature | -20 $^{\circ}$ C ~50 $^{\circ}$ C |