

D6641H

4 Channel Digital Audio Processor with Echo Suppressor



Description

The device supports 4 input/output analog channels and 1 extended USB recording and broadcasting channel. It is equipped with high quality 21 level pre-amplifier circuit, DSP processing bus structure, and with multiple functions such as echo eliminator, noise eliminator to restore high quality sound. It's mainly applied in a variety of large venues like theater, concert hall, remote video conferencing, sports venues, churches, conference centers, theme parks and so on. Its operation is simple and intelligent.

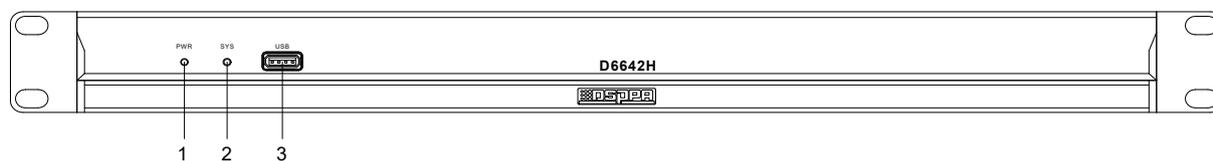
Features

- 24 bit/ 48KHz sampling frequency, high-performance A / D, D / A converter and 32-bit floating-point DSP processor, full-function matrix mixing function to provide users with excellent and clear sound.
- High-precision input sensitivity adjustment with 21 levels, 3dB steps; the maximum input gain is 60dB.
- Efficient algorithm processing: AFC, AEC, ANS, AUTOMIXER, EQ, GATE, AGC and so on.
- Abundant interface extension: Input and output GPIO of 8 channels can be customized. Support external input level of 3.3 ~ 24V; USB interface supports recording and broadcasting, scene preservation and other functions. RS-485 supports automatic camera tracking, easy to achieve video conferencing; RS-232 two-way serial control interface, it can control or be controlled, such as video matrix, camera and other equipment.
- Support scene preset for multiple group, user-friendly operating software interface.
- Fast operation: web control mode, support Android, IOS system.
- Support 1 USB recording channel.
- Support echo/noise elimination function.

Specifications

| Model | D6641H |
|----------------------------------|---|
| Input number | 4 |
| Output number | 4 |
| 232 serial number | 1 |
| 485 serial number | 1 |
| GPIO number | 8, Freely configurable input and output |
| RJ45 number | 1 |
| USB number | 1, Supports recording and broadcasting |
| The maximum analog gain | -60dB |
| Phantom powered | 48V |
| Input and output | 48KHz/24bit |
| A/D Dynamic Range | 120dB |
| Input common mode rejection | 80 dB @ +24dBu @60Hz |
| Input resistance | 20kΩ balance, 10kΩ unbalance |
| Maximum input | 24dBu |
| D/A Dynamic Range | 120dB |
| Channel isolation | 100dB |
| Frequency response | 20~20kHz (±0.25dB) |
| Total harmonic distortion(THD+N) | ≤0.002% @1kHz, +4dBu |
| Output impedance | 100 Ω balance, 50 unbalance |
| Maximum output | 24dBu |
| Working power supply | AC 90V~260V AC, 50Hz /60Hz |
| Operating temperature | 0~40℃ |

Front / Rear Panel

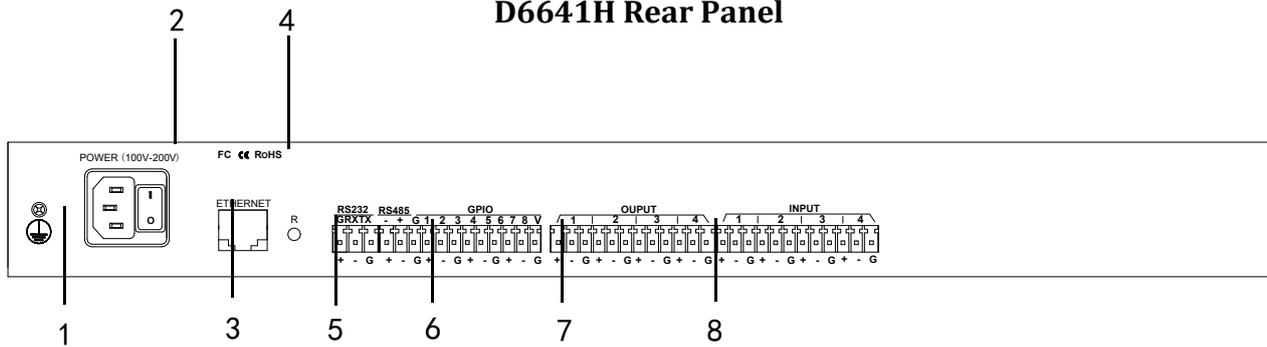


(1) PWR: Power indicator. When the light is on, it represents the power supply is normal. When the light off, it represents the device power supply abnormal;

(2) SYS: Status indicator. When the light is flashing, it represents the equipment is under normal operation condition, otherwise the equipment is failure;

(3) USB: Support recording and broadcasting function;

D6641H Rear Panel



- (1) AVC220V: power plug, support AC 100V ~ 240V power supply, 50 ~ 60Hz, and switch button.
- (2) ETHERNET: a network interface connected to the PC, Online editing, sending and receiving control for command.
- (3) RSET: system reset button.
- (4) RS232: communication interface connecting the external control equipment / supporting +camera tracking.
- (5) RS485: support camera tracking.
- (6) GPIO: command re-sending. Refer to the GPIO settings for the specific connection.
- (7) OUTPUT: analog audio output interface.
- (8) INPUT: analog audio MIC \ LINE input interface.