DG 04S
MIXING CONSOLE

PROFESSIONAL
RECORDING SOUND CARD

HI-RES
24bit / 192k

5.0 MIXING CONSOLE AUDIO MIXER | 48V | DIGITAL MULTIEFFECTS | 2IN 2OUT

USER MANUAL 用户说明书

Please follow the instruction manual to use this product,
thank you for your understanding

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Debra PROFESSIONAL AUDIO — Tested To Comply With FCC Standards — CE — RoHS

⚠WARNING PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING
Please keep this manual in a safe place for reference
请把说明书保留在安全的地方，以备日后参考。

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damage, fire or other hazards. These precautions include, but are not limited to, the following:

Do not open
This device contains no user-serviceable parts. Do not open the device or attempt to disassemble the internal parts or modify them in any way. It should appear to be malfunctioning, discontinue use immediately and have contact the merchant.

Do not expose
Do not expose this device to rain, use it near water or in damp or wet conditions, or place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings. If any liquid such as water seeps into the device, discontinue use immediately and have contact the merchant. Also, unplug the USB cable from the computer.
Never insert or remove an USB flash drive with wet hands.

Fire warning
Do not put burning items, such as candles, on the unit. A burning item may fall over and cause a fire.

If you notice any abnormality
When one of the following problems occur, immediately turn off the power switch and disconnect the USB cable from the computer. - The USB cable becomes frayed or damaged. - It emits unusual smells or smoke. - Some object has been dropped through one of the openings and has entered the device. - The device has been exposed to rain or otherwise has been damaged. - Immediately turn off the power switch, disconnect the USB cable from the computer.

请始终遵循以下基本预防措施，以避免触电、短路、损坏、火灾或其他危险而造成的严重伤害甚至死亡。这些预防措施包括但不限于：

请勿打开机箱
本设备不包含用户可进行维修的部件。请勿打开设备或尝试拆卸内部部件或以任何方式对其进行改装。如果设备看起来出现故障，请立即停止使用并联系商家。

请勿暴露
请勿让设备淋雨、请勿在水边或潮湿的环境中使用它，也不要把任何容器（例如花瓶、瓶子或玻璃杯）放在设备上，以免液体（例如水）从设备一直渗入到内部开口。如果任何液体（例如水）渗入设备，请立即停止使用并联系商家。也拔掉连接电脑的USB数据线。
切勿用湿手插入或拔出USB闪存盘。

防火警告
请勿将蜡烛等燃烧物品（例如蜡烛）放在设备上。燃烧的物品可能倒下并引起火灾。

如果您发现异常
如出现下列情况之一，请立即关闭电源开关并从电脑上拔下USB数据线。- USB数据线磨损或损坏。- 某物体掉进设备，并进入设备内部。- 设备因雨淋或其他原因受损。- 立即关闭电源开关并从电脑上拔下USB数据线。

DG04S FEATURES 产品特点

- Excellent microphone and headphone amplification for highly dynamic sound
- Professional sound card provides 2-input, 2-output multi-track recording up to 24-bit, 192K)
- Each channel has independent control over three-band EQ and reverb levels
- 99 selectable DSP presets for realistic spatial reverberation
- OTG professional recording output for professional studio-quality recordings
- 1GDPRAM/ 2GDPRAM for audio recording needs
- Equipped with dual headphone jacks (6.35mm, 3.5mm)
- USB and Bluetooth 5.0 inputs for lossless music playback
- Multi-color LED knob design for easier operation in low-light environments
- Kit-metal, two-tone finish, compact size for easy portability
- Clearly arranged channels for easy setup and use

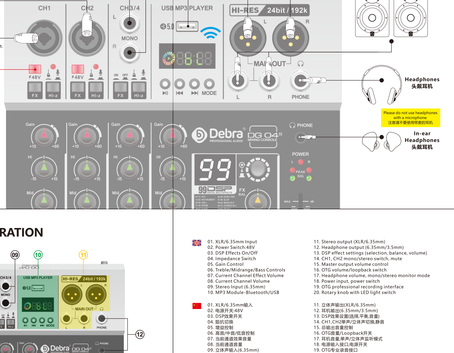
- 优秀的话筒和耳机放大效果，高动态高解析度
- 专业声卡提供2输入2输出的录音录音（最高24bit 192K）
- 每个通道可独立控制三段EQ和混响效果
- DSP预设99种，可选择空间音效，使混响效果逼真
- OTG专业录音输出，以满足录音棚级别的录音需求
- 1GDPRAM/ 2GDPRAM，满足录音的需求

- 配备双耳机插孔（6.35mm、3.5mm）
- USB和蓝牙5.0输入，高保真音乐播放
- LED多颜色旋钮设计，在光线不足的环境中更容易操作
- 精致金属，两色工艺的机身设计，紧凑的尺寸便携携带
- 整个面板清晰的排列，便捷上手设置和使用

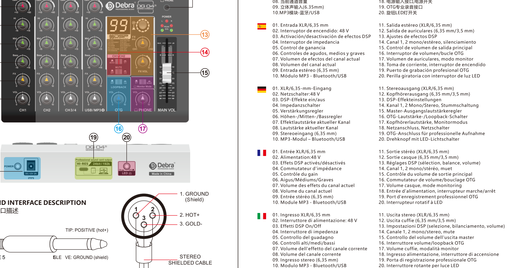
QUICK START GUIDE
快速使用入门指引

Connect speakers, microphones, musical instruments, and more.
连接扬声器、麦克风、乐器等

CONNECTION EXAMPLES OF VARIOUS DEVICES
各种设备的连接示例



FUNCTION/OPERATION
操作和功能介绍



01. 幻象供电 48V
02. Power Switch 48V
03. DSP Effects On/Off
04. Reverb Knob
05. Gain Control
06. Treble/Midrange/Bass Controls
07. Current Channel Effect Volume
08. Current Channel Volume
09. Current Channel Eq
10. MP3 Module- Bluetooth/USB

01. 幻象供电 35mm输入
02. 电源开关 48V
03. DSP效果开关
04. 混响旋钮
05. 增益控制
06. 高音/中音/低音控制
07. 当前通道效果音量
08. 当前通道音量
09. 当前声道 3/4 35mm)
10.MP3模块-蓝牙/USB

01. Entrada X/L/6,35 mm
02. Interruptor de encendido: 48 V
03. Activación/desactivación de efectos DSP
04. Control de reverb
05. Control de ganancia
06. Controles de agudos, medios y graves
07. Volumen de efectos del canal actual
08. Volumen del canal actual
09. Entrada eq del canal
10. Módulo MP3 - Bluetooth/USB

01. X/L/6,35 mm Eingang
02. Netzschalter 48 V
03. DSP Effekt ein/aus
04. Impedanzschalter
05. Verstärkungsregler
06. Höhen /Mitten /Bassregler
07. Effektlautstärke aktueller Kanal
08. Lautstärke aktueller Kanal
09. Steuerung (6,35 mm)
10. MP3 Modul - Bluetooth/USB

01. Entrée X/L/6,35 mm
02. Alimentation: 48 V
03. Effets DSP activés/désactivés
04. Commutateur d'impédance
05. Contrôle du gain
06. Contrôles aigus/médiums/graves
07. Volume des effets du canal actuel
08. Volume du canal actuel
09. Entrée eq du canal
10. Module MP3 - Bluetooth/USB

01. Ingresso X/L/6,35 mm
02. Interruttore di alimentazione: 48 V
03. Effetti DSP On/Off
04. Interruttore di impedenza
05. Controllo del guadagno
06. Controlli alti/medi/bassi
07. Volume dell'effetto del canale corrente
08. Volume del canale corrente
09. Ingresso stereo (6,35 mm)
10. Modulo MP3 - Bluetooth/USB

11. Stereo output (X/L/6,35mm)
12. Headphone output (6,35mm/3.5mm)
13. DSP effect settings (selection, balance, volume)
14. Reverb effect settings (selection, balance, volume)
15. Master output volume control
16. OTG volume/loopback switch
17. Headphone volume, monitor/stereo monitor mode
18. Power input, power switch

11. Стереофонический (X/L/6,35 mm)
12. Коробчатый (6,35 mm/3,5 mm)
13. DSP-Effektmischungen
14. Kanal 1, 2 Mono/Stereo, Stummschaltung
15. Hauptausgangslautstärkeregler
16. OTG Lautstärke / Loopback Schalter
17. Kopfhörerlautstärke, Monitormodus
18. Netzanschluss, Netzschalter

11. Стереофонический (X/L/6,35 mm)
12. Коробчатый (6,35 mm/3,5 mm)
13. DSP-Эффекты (выбор, баланс, громкость)
14. Канал 1, 2 Mono/Stereo, Stummсчитывание
15. Мастер-выходная громкость
16. OTG Громкость / Loopback Switcher
17. Коробчатый/лаконичный, Monitormodus
18. Netzanschluss, Netzschalter

11. Salida estéreo (X/L/6,35 mm)
12. Salida de auriculares (6,35 mm/3,5 mm)
13. Ajustes de efectos DSP
14. Ajustes de efectos de reverb, silenciamiento
15. Control de volumen de salida principal
16. Interruptor de volumen/bucle OTG
17. Volumen de auriculares, modo monitor
18. Toma de corriente, interruptor de encendido

11. Sortie stéréo (X/L/6,35 mm)
12. Sortie casque (6,35 mm/3,5 mm)
13. Réglages DSP (sélection, balance, volume)
14. Canal 1, 2 mono/stéréo, muet
15. Contrôle du volume de sortie principal
16. Commutateur volume/boucle OTG
17. Volume casque, mode monitoring
18. Entrée d'alimentation, interrupteur marche/arrêt

11. Uscita stereo (X/L/6,35 mm)
12. Uscita cuffie (6,35 mm/3,5 mm)
13. Impostazioni DSP (selezione, bilanciamento, volume)
14. Canale 1, 2 mono/stereo, mute
15. Controllo del volume di uscita master
16. Interruttore volume/loopback OTG
17. Volume cuffie, modalità monitor
18. Ingresso alimentazione, interruttore di accensione

INPUT AND OUTPUT CONTROL LOGIC
输入和输出的逻辑说明

BLUETOOTH CONNECTION
蓝牙连接

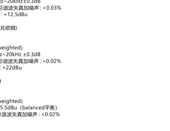
STEP 1: Press the MODE button to switch to Bluetooth search
STEP 2: Turn on Bluetooth on your phone, find **[DG04S]** in the search list, and select Connect.
STEP 3: Play music on your phone. The mixer can control Bluetooth volume and EQ, or add DSP effects.

步骤1： 按下MODE键切换蓝牙搜索；
步骤2： 手机打开蓝牙后，在搜索列表中查看 DG04S2 并选择连接；
步骤3： 手机播放音乐，混音器可控制蓝牙音量和EQ或者添加DSP效果。

LOOPBACK FUNCTION
环境音返送功能

Live Streaming: Enable Loopback during a live stream. The host can hear both the microphone audio and the music playback, but viewers on the other side cannot hear the audio from their computer. Disable Loopback to hear only the microphone audio.
Recording: Combine computer audio and microphone input during recording. This is ideal for scenarios requiring multiple audio sources (such as dubbing or music creation).

直播场景： 在直播中开启Loopback，主播可同时听到麦克风声音和音乐播放，但对方观众无法听到电脑端的音频。关闭Loopback以仅听麦克风声音。
录音场景： 录制时将电脑声音与麦克风输入，适用于需要多音源合成的场景(如配音、音乐创作)。



REVERB FUNCTION
混响模块功能的使用指引

SELECT AND CONTROL EFFECTS
选择和控制效果

STEP 1: After selecting the desired effect by rotating the knob left or right, press the knob again to confirm the effect.

STEP 2: Use the EFX VOL2 button to control the volume of the currently selected effect. A higher volume increases the effect's intensity.

步骤一：通过左右旋转选择需要的效果对应的号码后，再次按下旋钮，确认使用该效果。

步骤二：通过 EFX VOL1 来控制当前选择的效果音量，音量越大效果越明显。

Effect Type Description

01-11: KTV	44-46: EARLY REF	11. Stereo output (X/L/6,35mm)
12-25: INSTRUMENT	47-48: SLAP	12. Headphone output (6,35mm/3.5mm)
26-30: HALL	50-63: MONO DELAY	13. DSP effect settings (selection, balance, volume)
31-35: ROOM	64-74: STEREO DELAY	14. Reverb effect settings (selection, balance, volume)
36-37: PLATE	75-85: PP DELAY	15. Master output volume control
38-40: GATE REVERB	86-93: TAP	16. OTG volume/loopback switch
41-43: DOUBLING	94-99: ECHO	17. Headphone volume, monitor/stereo monitor mode
		18. Power input, power switch

01-11: KTV混响	44-46: 早期反射声	11. Стереофонический (X/L/6,35 mm)
12-25: 音乐效果	47-49: SLAP（回声）	12. Коробчатый (6,35 mm/3,5 mm)
26-30: 大厅效果	50-63: 单声道延时	13. DSP-Эффекты (выбор, баланс, громкость)
31-35: 房间效果	64-74: 立体声延时	14. Канал 1, 2 Mono/Stereo, Stummсчитывание
36-37: 重置混响效果	75-85: 乒乓延迟	15. Мастер-выходная громкость
38-40: 闸效 混响	86-93: 敲击效果	16. OTG Громкость / Loopback Switcher
41-43: 人声倍频	94-99: 回声混响	17. Коробчатый/лаконичный, Monitormodus
		18. Netzanschluss, Netzschalter

OTG OUTPUT FOR MULTI-TRACK RECORDING
OTG 连接电脑分轨录音的使用说明

After this button transfers the CH1 and CH2 outputs to the computer, they can be used as independent recording tracks for recording in the recording software.
Note: X/L USB and Bluetooth can only be recorded to the computer as normal output mix.

点按键的作用是把CH1/CH2输出传输到电脑后，在录音软件中可分别设置为单轨的录音轨道的记录
CH1/CH2是以5/6轨道分别记录的方法，混音功能仅记录到电脑声。

If you encounter any problems during use, please contact us in time.
如果在使用中遇到问题请及时联系我们。

PRODUCT TECHNICAL PARAMETERS
产品技术参数说明

Sample rates 采样率：
44.1kHz [48kHz] 88.2kHz [96kHz] 176.4kHz] 192kHz

Microphone Input 话筒输入
Dynamic Range 动态范围: 95dB(A-weighted)
Frequency response 频率响应: 20Hz~20kHz ±0.3dB
Total Harmonic Distortion+Noise 总谐波失真加噪声: <0.012%
Equivalent Input Noise: -128dB (A-weighted)
Maximum input Level 最大输入电平: +9dBu
Gain Range 最大输入电平: 44dB
Input Impedance 输入阻抗: 3000Ω

Line-in 线路输入(CH1,CH2)
Dynamic range 动态范围: 96dB(A-weighted)
Frequency response 频率响应: 20Hz~20kHz ±0.3dB
Total harmonic distortion + Noise 总谐波失真加噪声: <0.03%
Maximum input Level 最大输入电平: +22dBu
Gain range 增益范围: 14dB
Input impedance 输入阻抗: 15MΩ(光控阻)

Line-in 线路输入(CH3,CH4)
Dynamic range 动态范围: 96dB(A-weighted)
Frequency response 频率响应: 20Hz~20kHz ±0.3dB
Total harmonic distortion + Noise 总谐波失真加噪声: <0.02%
Maximum input level 最大输入电平: +22dBu
Gain range 增益范围: 14dB
Input impedance 输入阻抗: 440000Ω

Line-out 线路输出
Dynamic range 动态范围: 92dB(A-weighted)
Max output level 最大输出电平: +15.5dBu (balanced平衡)
Total harmonic distortion+Noise 总谐波失真加噪声: <0.02%
Output impedance 输出阻抗: 430Ω

Headphone output 耳机输出
Dynamic Range 动态范围: 90dB(A-weighted)
Max Output Level最大输出电平: 7dBu
Total Harmonic Distortion+Noise 总谐波失真加噪声: <0.02%
Output Impedance 输出阻抗: >1Ω

Channel EQ 混频EQ
Treble 高音: 12kHz, ±15dB
Midrange 中音: 2.5kHz, ±15dB
Bass 低音: 80Hz, ±15dB

Troubleshooting 问题解决方案

Please check the following, if the problem persists, please contact us.

The power will not turn on.
- Check that the power supply is properly connected and that the power is flowing normally.
- Check the power switch.

There is no sound.
- Check that the computer is connected to the device and that the OTG indicator is on.
- Are the speakers or other monitoring devices connected to the mixer such as microphones and powered monitor speakers?
- Are any cables short-circuited or damaged?
- Have you turned on the power to the connected electronic instruments, external devices, and powered monitor speakers?
- Master, you (audio input (X/A/6) knob and level knob for all relevant channels), the MP3 volume knob, the AUX/CH/5 volume knob, the PC input volume knob, the phone knob, and the MAIN volume knobs to the appropriate levels?
- Are the 2IN 2 switches on?
- Please turn these switches off. If the source volume is too low, turning these switches on may result in no sound.
- Is the USB cable connected to the computer?
- If you are using live streaming software, is the volume adjusted appropriately in the software?

The sound is weak, distorted, or noisy.
- Is the 48V switch on? Is it off?
- Have the [2IN 2] switch on lower the [GAIN] knob. If the source volume is too loud, turning off the switch may cause distortion.
- In the [GAIN] knob/level knob, [MAIN VOL] knob/level knob, etc.?

Voices and speech are not clear enough.
- Check that the EQ knobs (HI knob, [Mid] knob, [Low] knob) are adjusted appropriately. Check that the effects knobs ([Echo] knob, [Depth] knob, [FX Vol] knob) are adjusted appropriately.

请检查以下事项，如问题依然存在，请联系我们。

电源无反应。
- 检查电源是否连接正确并且电源是否正常。
- 检查电源开关。

没有声音。
- 检查设备是否连接正确并且OTG指示灯是亮起的。
- 您的话筒或其他监听设备是否连接到了调音台？
- 线缆是否短路或损坏？
- 您是否开启了连接的电子乐器、外接设备和有源监听音箱？
- 主控、您的音频输入（X/A/6）旋钮和所有通道的电平旋钮、MP3音量旋钮、AUX/CH/5音量旋钮、PC输入音量旋钮、Phone 旋钮和 MAIN 音量旋钮，是否处于适当的位置？
- 2IN 2 开关是开启的吗？
- 请关闭这些开关。如果音源音量过低，打开这些开关可能会导致无声音。
- USB数据线是连接到电脑了吗？
- 使用直播软件时，音量调节是否适当？

声音微弱、失真或有噪音。
- 48V开关是开启吗？
- 检查 [2IN 2] 开关，通过降低 [GAIN] 旋钮，调节音源输入电平。如果音源输入电平过高，关闭开关可能会导致失真。
- 在[GAIN]旋钮/电平旋钮、[MAIN VOL]旋钮/电平旋钮等。

人声模糊或听不清楚。
- 请检查 EQ 旋钮（[HI] 旋钮、[Mid] 旋钮、[Bass] 旋钮）是否调节到位。请检查效果旋钮（[Echo] 旋钮、[Depth] 旋钮、[FX Vol] 旋钮）是否调节到位。