Debra®
PROFESSIONAL AUDIO

DG 05
MIXING CONSOLE

PROFESSIONAL
RECORDING SOUND CARD

Owner's Manual

⑧ 5.0   💻 48V

MIXING CONSOLE AUDIO MIXER

HI-RES
24bit / 192k

Welcome

Thank you for purchasing the DG05 Mixer Console. Please read this manual thoroughly to get the most out of the product and ensure long-term, trouble-free use. After reading this manual, keep it readily available for future reference.

For the remainder of this manual, the word "mixer" is used instead of "Mixing Console".

Main Features

Multi-purpose 5-channel mixer with audio interface, ideal for live webcasting

•Audio interface supports up to 24-bit/192 KHZ recording.

• An intuitive Loopback function(PC->Main button) enables fast and easy live webcasting.

• Premium mic preamp provides high resolution sound.

• It can perfect match Pro Tools/Ableton Live Lite/Reaper/Ableton and Other DAW Recording Software.

Note: This product does not contain music production software, you need to bring your own.

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Included Accessories

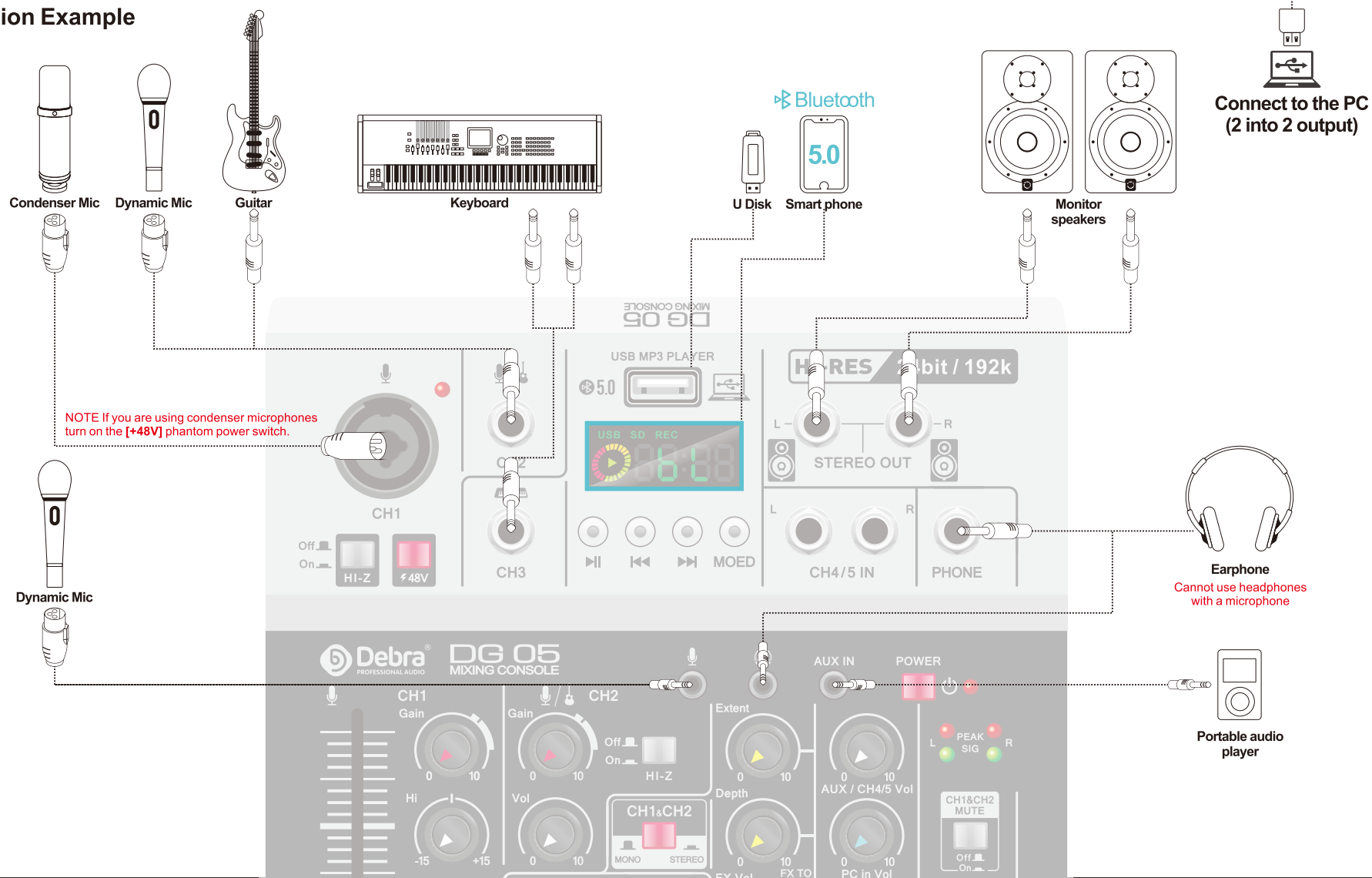•USB -Type C cable *1

• Owner's Manual *1

• Power plug *1

Quick Start Guide:

Connecting speakers, microphones, instruments, etc.

1. Turn off the power of all speakers, instruments, and other devices to be connected to the mixer.

2. Connect speakers, microphones and instruments referring to the connection example below.

Back panel

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DC-12V 2A

HI-RES 24bit / 192k

Professional sound card output

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Made in China

Connection Example

Condenser Mic   Dynamic Mic   Guitar   Keyboard

Bluetooth

5.0

U Disk   Smart phone

Monitor speakers

Connect to the PC (2 into 2 output)

NOTE If you are using condenser microphones turn on the **[+48V]** phantom power switch.

Dynamic Mic

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USB MP3 PLAYER

5.0

HI-RES 24bit / 192k

USB SD REC

61

CH1

Off
On
HI-Z 48V

CH2

CH3

►II I◄◄ ►►I MOED

L — STEREO OUT — R

L   R
CH4 / 5 IN   PHONE

Earphone
Cannot use headphones with a microphone

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CH1
Gain

CH2
Gain

Off
On
HI-Z

AUX IN   POWER

Extent

Depth

0 10

0 10
AUX / CH4/5 Vol

L   R
PEAK
SIG

Hi

Vol

CH1&CH2

CH1&CH2
MUTE

-15   +15

0 10

MONO   STEREO

0 10
PC in Vol

Off
On

FX Vol   FX TO

Portable audio player

Quick Start Guide:

Input and output example diagram

STEP 2 **Getting sound to the speakers or headphones.**

1.Make sure that all switches including the power switch are not pressed.

2.Insert the 12V DC power plug.

3.Pull the Fader (Vol), turn the Gain knobs, Vol level knobs, MAIN knob, and Phone.
knob fully to the left (minimum).

4.Make sure that the volume of a powered speakers is set to minimum.

5.Turn on the power to connected devices in the following order: Instruments,audio devices,
then Mixer's power switch, then Powered monitor speakers.NOTICE Follow this order to avoid
loud, unexpected noise from the speakers. Reverse the order when turning the power off.

6.For channels to which a microphone or instrument is connected, as you need set the Gain
knob and the Level Knobs.
Note: You can as you need, you can adjust the treble, midrange, and bass output of CH1. You
can also turn the Extent knob, Depth knob, and FX vol knob. Add sound effects to Ch1.

7.Set the Main Vol knob and the Phone knob to Suitable location.

8.Speak into your microphone, play your instrument, or play your audio device, and adjust
the volume on the powered monitor speakers.

9.If no sound is heard, or if you want to adjust the volume, follow the instructions in the boxed
section below.

10. If you still do not hear the sound after doing the following steps, please refer to the
checklist in the "Troubleshooting" section at the back of this booklet
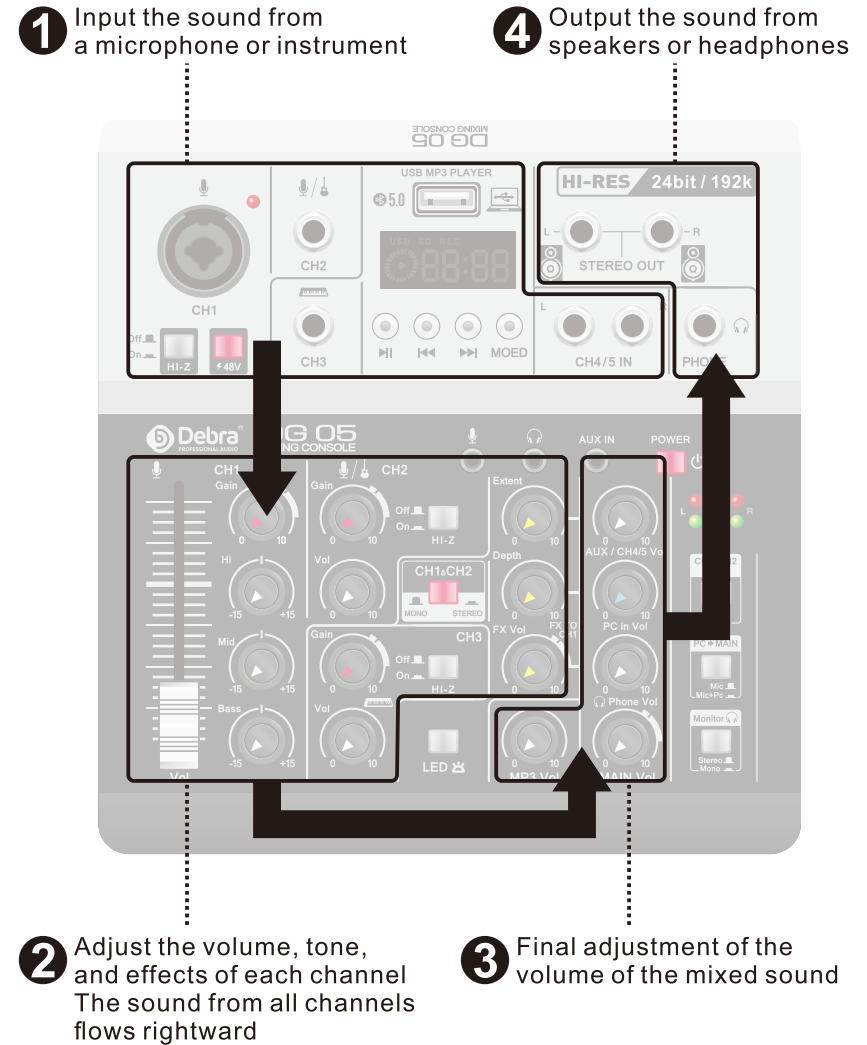
There is no sound, or you need to increase the volume

1.Speak into your microphone or play your instrument, turning the [GAIN]
knob to the right so that the corresponding [SIG] LED flashes briefly.
Note:
• Set the MAIN Vol Level knobs to the 3 o'clock position before you test it.
• For optimum volume when using a microphone, place the microphone as close to the sound
source as possible
• If the [PEAK] LED does not light even if the [GAIN] knob has been turned fully to the right,
raise the volume of the sound source (instrument, etc.).
If no sound is heard or the volume does not increase after step 1:
2.If the [HI-Z] switch or [GAIN] switch is turned on, turn the Level knob fully to the left to "0"
(minimum), and then turn off the switches.
3.Slowly turn the Level knob to the right until the desired volume is reached.

To decrease the volume:
1.Turn the Level knob fully to the left to "0" (minimum), and then turn on (O)
the [HI-Z] switch or [GAIN] switch on the channel for which you want to
decrease the volume.
2.Slowly turn the Level knob to the right until the desired volume is reached.
If the volume does not decrease after the above steps:
3.Lower the volume of the instrument or audio device

① Input the sound from
a microphone or instrument

④ Output the sound from
speakers or headphones

② Adjust the volume, tone,
and effects of each channel
The sound from all channels
flows rightward

③ Final adjustment of the
volume of the mixed sound

Function introduction :

1.[Professional sound card out] terminal
For connecting to a computer using the included USB-typc cable. When connected to a computer, the computer audio data can be sent between the mixer and computer. For connecting to smart phone, you need to make sure to use the data cable of the corresponding brand.
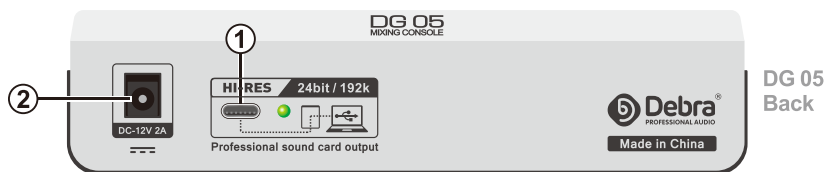Note: If you connect an iPhone or iPad, please make sure that the data cable has a PD fast charge protocol. Please consult the corresponding data line supplier for details.
If the method of connecting to the Android system type-c data line is inconsistent, some smart phones cannot support it. (Such as Samsung smartphones).
You need to prepare your own connection data cable. We are not providing accessories.

2.[12V AC 2A] terminal
For connecting to power using the included Power Adapter.

3.MIC/LINE input jacks
For connecting to a microphone, an instrument, or an audio device. These jacks support both XLR and 6.35mm Jack.

4.LINE input jacks
For connecting to line-level devices such as an electric keyboard or an audio device.
Channels 2/3 support 6.35mm Jack plugs.

5.[+48V] phantom switch / [+48V] LED
When this switch is turned on , the [+48V] LED lights and DC +48 V phantom power is supplied to the XLR plug connected to the MIC/LINE input jack 3 on channel 1. Turn this switch on when using a phantom-powered condenser microphone.
Note:Be sure to leave this switch off if you do not need phantom power. Follow the important precautions below, in order to prevent noise and possible damage to external devices as well as the mixer if you turn this switch on.
• Be sure to leave this switch off when you connect a device that does not support phantom power to channel 1.
• Make sure to turn this switch off when connecting/disconnecting a cable to/from channel 1.
• Turn the Level knob of the channel 1 to "0" (minimum) before turning this switch on /off.

6.[HI-Z] switches
Turning the switch on will attenuate the sound input to the unit. If you hear distortion frequently even if the [GAIN] knob CH1 is turned fully to the left, turn this switch on.
NOTE:Turn the Level knob to minimum before toggling the [HI-Z] switch on and off. Otherwise, noise may be produced.

7.[GAIN] knobs
Determines the basic volume for each channel, CH1, CH2 and CH3.

8.[Hi/Mid/Bass] knobs
The Hi knob adjusts the treble of the CH1 channel, the Mid knob adjusts the midrange of the CH1 channel, and the Bass knob adjusts the bass of the CH1 channel.
The knob is at 12 o'clock, which is the original sound.

9.[CH1&CH2] MONO & STEREO
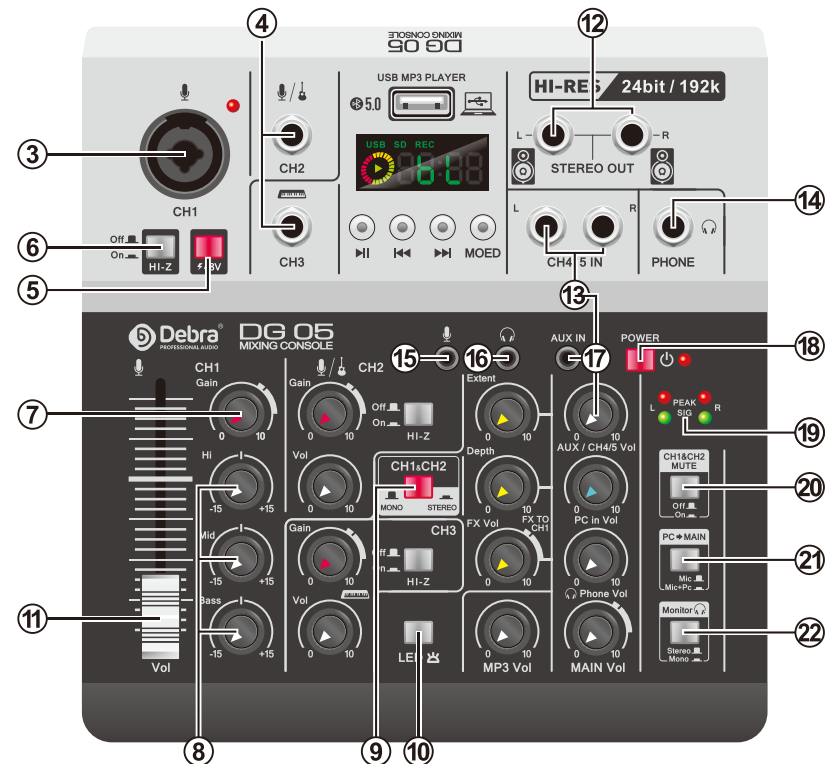CH1 and CH2 switch between mono and stereo multi-track recording modes
[MONO] model: The left and right channels of [STEREO OUT] (point 12) & [Phone Output] (point 14&16) will be separated, the left channel (L) only outputs the audio of CH1, and the right channel (R) only outputs the audio of CH2.
[STEREO] model: Both the left and right channels of [STEREO OUT] (point 12)& [Phone Output] (point 14&16) output all audio.
Note: The audio input from MP3, CH4/5 IN, and AUX IN will still be mixed with the audio of CH1 and CH2 and output together in MONO mode.

10.[LED]Light switch
Display light switch of knobs

11.[Vol] Level Fader & Level knobs
Set the volume balance between each channel.
CH1 Vol (🎤): Adjust the volume of the sound input from the microphone or other source connected to channel CH1(include the 3.5mm input)(Point 3 & 14)
Ch2 Vol (🎤/🎸): Adjust the volume of the sound input from the guitar, microphone or other source connected to channel CH2 (Point 4) .
Ch3 Vol (🎹): Adjust the volume of the sound input from the electric keyboard or other source connected to channels CH3(Point 4).
Mp3 Vol (●5.0): Adjust the volume of the audio input from the USB MP3 PLAYER module.
CH4/5 Vol (CH4/5 & AUX IN): Adjust the volume of the sound input from the AUX interface connected to channels CH4/5(Point 14) or the AUX IN 3.5mm input interface(Point 17).

Extent/Depth/FX Vol：Adjust the effect to the CH1.

PC in Vol (Professional sound card out): Adjust the volume of the sound input by the HI-RES professional sound card interface (Point 1), and at the same time adjust the volume of the sound output from the mixer to the PC, mobile phone, etc.

Extent/Depth/FX Vol：Adjust the effect to the CH1.

Phone Vol (🎧): Headphone knob, adjust the volume to headphones connected to the Headphones output jack and 3.5mm headphones output jack.
Note: The Main Vol knob and Headphone knob can be adjusted separately.

MAIN Vol: Adjust the volume sent to the device connected to the [STEREO OUT] jacks.

Function introduction :

12.[STEREO OUT] jacks
Outputs the mixed signal in stereo. These jacks are used to connect to another mixer, recorder or speaker.

13.[CH4/CH5 IN] RAC input
Support RCA plugs.

14.[PHONE 🎧] Headphones output jack
For connecting to a set of headphones. This jack supports a stereo phone plug. To connect headphones or earphones with stereo mini plugs, you can use the headset headphones output jack (15).

15.3.5 mm microphone[🎤] input jack
For connecting to a microphone, an instrument, or an audio device. These jacks support both XLR and 6.35mm Jack.

16.[🎧]Headset headphones output jack
For connecting to the headphone for your headset. The same sound as for the headphones (13) output jack * is output.

17.[AUX IN] input put
This is an auxiliary input jack. It supports a stereo mini plug. You can connect a smartphone or other device and use applications to trigger sound effects or background music. Use the controls on the connected device to adjust volume.

18.[⏻ Power] Power ON/OFF Button ang Power light
Turning the switch on will attenuate the sound input to the unit. If you hear distortion frequently even if the [GAIN] knob CH1 is turned fully to the left, turn this switch on.
NOTICE: Rapidly switching the switch between on and standby in succession can cause the mixer to malfunction. After switching the switch to standby, wait for at least six seconds before turning it on again.

19.Level meter
If the level of the sound sent to the computer or stereo out exceeds -10 dBu, [SIG] (green) turns on; if the level reaches 3 dB before clip level (+7 dBu), [PEAK] (red) turns on. To send an appropriate volume to the computer or stereo out, adjust the volume of each channel until [SIG] remains lit and [PEAK] flashes only momentarily when there is a loud sound.

20. [CH1 & CH2 MUTE] Mute button
After pressing, CH1 and CH2 will be muted at the same time.

21.[PC-MAIN] State switch
This function is for [professional sound card output] (point 1).
1. In the [Mic] state, the computer audio can be transmitted to the mixer console, but after passing through the mixer console, the audio played by the computer can no longer be recorded into the recording software.
2. In the state of [Mic+PC], the audio of the computer can be transmitted to the mixer console. After passing through the mixer console, the audio played by the computer can be recorded into the recording software along with the audio of the mixer console.

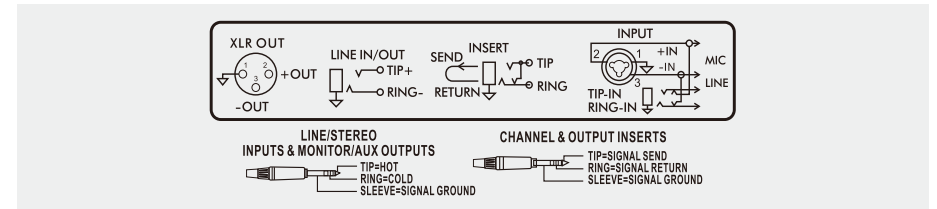**22. [Monitor 🎧]Mono/Stereo State switch**
This can be used during multi-track recording. It can only be used for headphone output when used with the [CH1&CH2] MONO model (point 9).

In [CH1&CH2] MONO model: This button in MONO status, the [Phones 🎧](point 14&16), the left channel only hears the audio input from CH1, and the right channel only hears the audio input from Ch2.

In [CH1&CH2] Stereo model: This button in Stereo status, the [Phone 🎧](point 14&16), both the left and right channels of [STEREO OUT] & [Phone Output] output all audio.

Tips on volume adjustment
Use the [PAD] switches, [GAIN] knobs/ [GAIN] switches, and Level knobs to adjust volume. However, the [PAD] switches and [GAIN] knobs/
[GAIN] switches should not be adjusted again once they have been set optimally. Normally, the Level knobs are used to adjust volume. For details about each function, see "Controls and Functions".

Troubleshooting

Check the following items before contacting a D Debra dealer. If the symptoms are not improved, contact our.

Power does not come on.
▪ Did you properly connect the mixer and a computer by using the included USB cable?
▪ Did you press the power ON/OFF switch?

No sound.
▪ Please check the install USB Driver of PC
▪ Did you properly connect the external devices such as microphones, and powered monitor speakers?
▪ Are any connecting cables shorted or damaged?
▪ Did you turn on the power of connected electric instruments and external devices, and the powered monitor speakers?
▪ Did you properly adjust the [GAIN] knobs and Level knobs of all relevant channels, the MP3 Vol knobs, AUX/CH4/5 Vol, PC in Vol, the phone knob, and MAIN Vol knob to appropriate levels?
▪ Are the [HI-Z] switches turned on ?
Turn these switches off. If the volume of the sound source is too soft, turning on these switches might result in no audible sound.
▪ Is the [CH1 & CH2 MUTE] switch turned on ?
▪ If you are using webcasting software, is the volume adjusted appropriately in the software?

Sound is faint, distorted, or noisy.
▪ Are the [PEAK] LEDs lit?
Lower the [GAIN] knobs, or turn on the [HI-Z] switches.
▪ Are the [GAIN] knobs/ Level knobs on each relevant channel, the [MAIN Vol] knob, or the

[🎧 Phone Vol] knob set too high?
▪ Are the [PEAK] (red) indicators of the level meter lit?
Adjust the Level knobs of all relevant channels to appropriate levels. Lowering the volume with the [MAIN Vol] knob or the [Phone] knob will not affect the [PEAK] indicators on the level meter.
▪ Is the volume from a connected device too loud?
Lower the volume of the connected device.
▪ Are the [HI-Z] switches turned off and turn the [GAIN] knobs to the maximum?
Turn the [HI-Z] switches on or Turn down [GAIN] knobs. If the volume of the sound source is too loud, turning off the switches might result in distorted sound.

The sound of vocals and speech isn't clear enough.
▪ Check whether the EQ knobs ([Hi] knob, [Mid] knob, [Bass] knob) are adjusted well. Check whether the sound effect knobs ([Extent] knob, [Depth] knob, [FX Vol] knob) are adjusted well.

General Specifications

Input Channels		Mono (MIC/LINE)*2; 6.5mm Jack input(LINE)*2; USB IN*1; AUX IN*2(include the 3.5mm AUX IN); 3.5mm 🎤 *1;Type-c IN*1.
Output Channels		STEREO OUT*1; PHONE*2 (include the 3.5mm output).
Input Channel	HI-Z	18 dB
Function (Ch1)	EFFECT	EQ, Extent, Depth
Level Meter	USB Output Level	2x2 point LED meter [PEAK, SIG]
USB MP3 Audio		USB Audio Class 2.0 compliant. Supported formats: MP3, SBC, AAC, WAV, FLAC, APE, WMA.
Professional sound card output		Can be used for windows, MAC, IOS, Android system. Sampling Frequency: Max 192 KHZ,Bit Depth: 24-bit. Note: IOS needs OTG data cable, while Android needs to prepare original data cable according to different models.
Phantom Power Voltage		+48V
Power Requirements		DC-12V, 2A
Power Consumption		Max. 12 W
Dimensions (WxHxD)		170 mm x 170 mm x 50 mm (6.7" x 6.7" x 2")
Net Weight		0.765 KG (1.68 lbs)
Operating Temperature		0 to +40°C

The contents of this manual apply to the latest specifications as of the printing date. Since D Debra makes continuous improvements to the product, this manual may not apply to the specifications of your particular product. Since specifications, equipment or separately sold accessories may not be the same in every locale, please check with the D Debra dealer.

Equalizer	Hi: +/- 15dB @12 KHZ Mid: +/- 15dB @2.5 KHZ Bass: +/- 15dB @80 KHZ
Input resistance	MIC 3.8KΩ, Other input: ≥10 KΩ
Output impedance	120Ω Non-Parallel, 24Ω Parallel, Earphone 22Ω
Frequency response	20HZ-30KHZ + 0/-1 dB
Distortion	<0.01%
Mic input noise	22 Hz – 22KHZ No weighting -128 dB
Noise floor	20Hz ~ 20 KHZ
Mix	<-85 dB
Input & output level	+17 dB
Relative humidity	0%-80%

⚠ **WARNING**

PRECAUTIONS
PLEASE READ CAREFULLY BEFORE PROCEEDING
Please keep this manual in a safe place for future reference.

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, 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. If it should appear to be malfunctioning, discontinue use immediately and have contact the D Debra merchant.

Water warning
 Do not expose the 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, turn off the power immediately and disconnect the USB cable from the computer.
 Never insert or remove a USB cable 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 into the device. - There is a sudden loss of sound during use of the device. If this device should be dropped or damaged, immediately turn off the power switch, disconnect the USB cable from the computer.

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