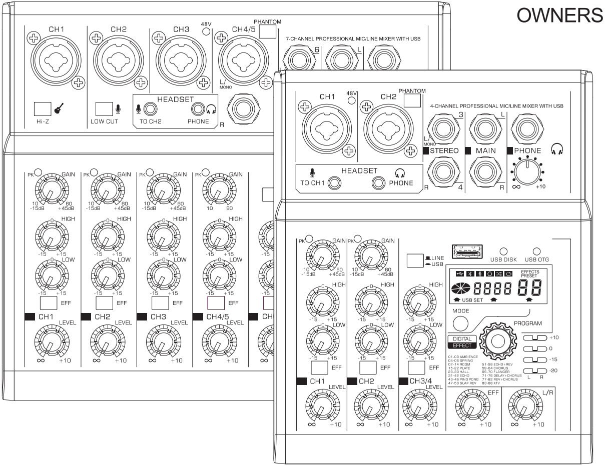
# MIXING CONSOLE

## OWNERS MANUAL


CH1
CH2
CH3
CH4/5
48V
PHANTOM
7-CHANNEL PROFESSIONAL MIC/LINE MIXER WITH USB
6
L
L/
MONO
R
Hi-Z
LOW CUT
HEADSET
TO CH2
PHONE
PK
GAIN
10
60
-15dB
+45dB
HIGH
LOW
0
-15
+15
EFF
LEVEL
∞
+10
4-CHANNEL PROFESSIONAL MIC/LINE MIXER WITH USB
3
4
STEREO
MAIN
PHONE
TO CH1
CH3/4
LINE
USB
USB DISK
USB OTG
EFFECTS PRESET
USB SET
MODE
PROGRAM
DIGITAL
EFFECT
01-03 AMBIENCE
04-06 SPRING
07-14 ROOM
15-22 PLATE
23-30 HALL
31-42 ECHO
43-46 PING PONG
47-50 SLAP REV
51-58 ECHO + REV
59-64 CHORUS
65-70 FLANGER
71-76 DELAY + CHORUS
77-82 REV + CHORUS
83-88 KTV
+10
0
-15
-20
L
R
L/R

EN

# PRECAUTIONS

## PLEASE READ CAREFULLY BEFORE PROCEEDING

Please keep this manual in a safe place for future reference.

**⚠ WARNING**

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 it inspected by qualified service personnel.

### 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. Then have the device inspected by qualified service personnel.
- 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. Then have the device inspected service personnel.
  -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, and have the device inspected by qualified service personnel.

**⚠ CAUTION**

Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others, or damage to the device or other property. These precautions include, but are not limited to, the following:

### Location

- Do not place the device in an unstable position where it might accidentally fall over.
- Do not place the device in a location where it may come into contact with corrosive gases or salt air. Doing so may result in malfunction.
- Before moving the device, remove all connected cables.

### Connections

- Before connecting the device to other devices, turn off the power for all devices. Before turning the power on or off for all devices, set all volume levels to minimum.

### Maintenance

- Remove the USB cable from a computer when cleaning the device.

### Handling caution

- Do not insert your fingers or hands in any gaps or openings on the device.
- Avoid inserting or dropping foreign objects (paper, plastic, metal, etc.) into any gaps or openings on the device. If this happens, turn off the power immediately and disconnect the USB cable from the computer. Then have the device inspected by qualified service personnel.
- Do not rest your weight on the device or place heavy objects on it, and avoid use excessive force on the buttons, switches or connectors
- Do not use speakers or headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.

cannot be held responsible for damage caused by improper use or modifications to the device, or data that is lost or destroyed.

# NOTICE

To avoid the possibility of malfunction/ damage to the product, damage to other property, follow thenotices below.

## ■ Handling and maintenance

- Do not use the device in the vicinity of a TV, radio, stereo eq or other electric devices. Otherwise, the device, TV, or radio
- Do not expose the device to excessive dust or vibration, or e (such as in direct sunlight, near a heater,or in a car during th prevent the possibility of panel disfiguration, unstable opera internal components.
- Do not place vinyl, plastic or rubber objects on the device, si the panel.
- When cleaning the device, use a dry and soft cloth. Do not use paint thinners, solvents, cleaning fluids, or chem cloths.
- Condensation can occur in the device due to rapid, drastic c temperature—when the device is moved from one location t conditioning is turned on or off, for example. Using the devic is present can cause damage. If there is reason to believe th have occurred, leave the device for several hours without tu the condensation has completely dried out.
- Avoid setting all equalizer controls and faders to their maxim condition of the connected devices,doing so may cause fee the speakers.
- Do not apply oil, grease, or contact cleaner to the faders. Do problems with electrical contact or fadermotion.
- When turning on the AC power in your audio system, always amplifier LAST, to avoid speaker damage.When turning the amplifier should be turned off FIRST for the same reason.
- When the device no working a long time, please set the swit

damage to data, or

uipment, mobile phone,
may generate noise.

extreme cold or heat
e day), in order to
tion, or damage to the

nce this might discolor

ical-impregnated wiping

changes in ambient
to another, or air
e while condensation
hat condensation might
rning on the power until

num. Depending on the
dback and may damage

ping so may cause

s turn on the power
power off, the power

tch to the standby position.

## ■ Connectors

XLR-type connectors are wired as follows (IEC60268 standard): pin 1: ground, pin 2: hot (+), and pin 3: cold (-).

# Information

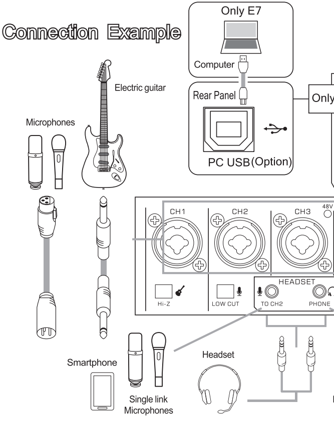
## ■ About this manual

- The illustrations as shown in this manual are for instructional purposes only.
- Steinberg and Cubase are registered trademarks of Steinberg Media Technologies GmbH.
- The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.

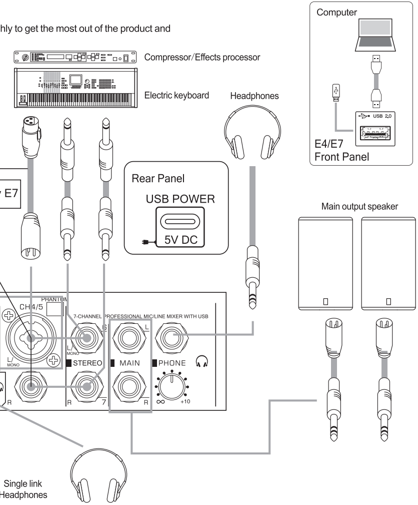
# Welcome

Thank you for purchasing the Mixing Console. Please read this manual thoroug
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.”

## Connection Example


Only E7
Computer
Rear Panel
PC USB(Option)
Only
Electric guitar
Microphones
CH1
CH2
CH3
48V
Hi-Z
LOW CUT
HEADSET
TO CH2
PHONE
Smartphone
Single link
Microphones
Headset

hly to get the most out of the product and

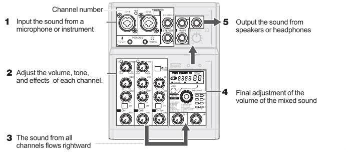

Computer
USB 2.0
E4/E7
Front Panel
Compressor/Effects processor
Electric keyboard
Headphones
Rear Panel
USB POWER
5V DC
E7
Main output speaker
PHANTOM
CH4/5
7-CHANNEL PROFESSIONAL MIC/LINE MIXER WITH USB
6
L/
MONO
L
STEREO
MAIN
PHONE
R
7
∞
+10
Single link
Headphones

# Main Features

Multi-purpose 4-channel mixer with audio interface, ideal equipment for small performance and network broadcast.

- USB recording.
- the high quality loop playback function makes the performance and network broadcast more convenient.
- super amplifier provides high precision sound.
- bluetooth connection.

## 1.Mixer Basics: Where Your Sound Goes


Channel number
1 Input the sound from a microphone or instrument
2 Adjust the volume, tone, and effects of each channel.
3 The sound from all channels flows rightward
4 Final adjustment of the volume of the mixed sound
5 Output the sound from speakers or headphones

Note: if capacitive microphone is used, please turn on the switch of (▬)48V phantom power supply.

## 2.Basic operation: power connection

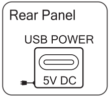
1.Make sure that all switches on the device are not turned on and TYPE−C data line of the rear panel power is not inserted.

2.Connect the attached TYPE−C data line.

A.Align the type−C data cable plug with the device back panel interface and insert it.

B.The TYPE−C data cable is connected to the USB power adapter.

C.Plug the power adapter into the standard [~AC 100−240 50Hz/60Hz] power socket.


Rear Panel
USB POWER
5V DC

[TYPE−C]
Power connection input

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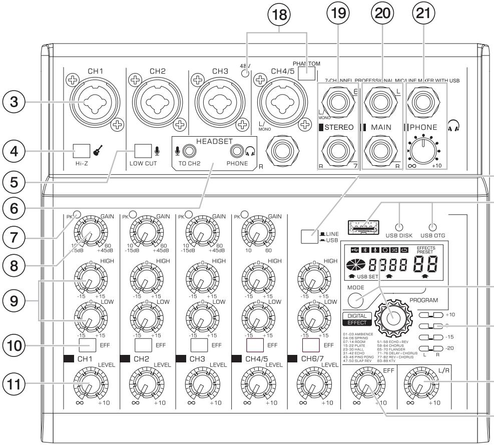
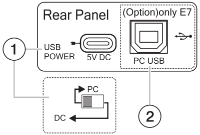
## Controls and Functions


18
19
20
21
3
4
5
6
7
8
9
10
11
CH1
CH2
CH3
CH4/5
48V
PHANTOM
7-CHANNEL PROFESSIONAL MIC/LINE MIXER WITH USB
L/MONO
STEREO
MAIN
PHONE
R
L
Hi-Z
LOW CUT
HEADSET
TO CH2
PHONE
PK
GAIN
10
60
-15dB
+45dB
HIGH
LOW
-15
+15
EFF
CH6/7
LEVEL
∞
+10
LINE
USB
USB DISK
USB OTG
EFFECTS PRESET
USB SET
MODE
PROGRAM
DIGITAL EFFECT
01-03 AMBIENCE
04-06 SPRING
07-14 ROOM
15-22 PLATE
23-30 HALL
31-42 ECHO
43-46 PING PONG
47-50 SLAP REV
51-58 ECHO+REV
59-64 CHORUS
65-70 FLANGER
71-76 DELAY+CHORUS
77-82 REV+CHORUS
83-88 KTV
+10
0
-15
-20
L/R



Rear Panel
(Option)only E7
USB POWER
5V DC
PC USB
PC
DC
1
2

17
16
15
14
13
12

### ① [TYPE–C]Power input socket

It is used to connect the USB power adapter and type-C data cable for power supply of the mixer.

Note

- Read carefully the safety precautions for the USB power adapter and type-C data cable you are using.
- USB power adapter and TYPE-C data line Voltage standard:
  Output voltage: 4.8V to 5.2V Output current: 3A or higher

### PC/DC Switch Toggle between the different connection modes

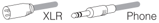
When necessary to connect to the computer, pull the switch to the PC, signal to transfer between the computer and the console.

### ② PC USB 2.0(Only E7)–option

Connect to the computer via a USB cable and let the mixer signal transfer to the computer.The computer may require a USB drive for input and output. You can download and install the driver from the supplier's website or our company's website.

### ③ MIC/LINE

For connecting to a microphone, an instrument, or an audiodevice. These jacks support both XLR and phone plugs.



### ④ HI–Z(CH 1–4) Only E7

To connect a guitar directly to the mixer without using a DI Box, press this switch in first; then connect the output from the guitar to the channel's 1/4" TRS input. The input impedance in optimized for direct connection and high-frequency fidelity is assured.In the out position, the channel's 1/4" TRS input becomes a line input just like the other mono line input.
To use guitars or other instruments on other channels, you will need to use an external DI box first.Without the DI box-or if this switch is not pressed in-guitars may sound dull and muddy.

### ⑤ LOW CUT Only E7

Channels with a mic input have low-cut switch (often referred to as a high-pass filter) that cuts bass frequencies below 100 Hz at a rate of 12 dB per octave.

Detailed View

Another way to consider low-cut's function is that it actually adds flexibility during live performances. With the additionof low-cut, you can safely use low equalization on vocals. Many times, bass shelving EQ can really benefit voices. Trouble is, adding low EQ also boosts stage rumble, mic handling clunks and breath pops from way-down low.
Applying low-cut removes all those problems, so you can add low EQ without blowing the woofers.

### ⑥ [HEADSET]microphone[🎤] input jack

For connecting to the microphone for your headset. The audio input here is sent to channel 1.

### [HEADSET]headphones[🎧]output jack

For connecting to the headphone for your headset. The same sound as for the headphones [🎧] output jack ㉑ is output.

### ⑦ PEAK LED

Lights when the volume of input sound is too high. If it is lit, turn the [GAIN] knob ⑧ to the left to lower the volume.

### ⑧ GAIN

Determines the basic volume for channel 1. Adjust this knob so that the [PEAK] LED ⑦ flashes briefly when singing or playing the loudest.

### ⑨ EQ

Use [HIGH], [MID] and [LOW] knobs to adjust sound quality.If you don't need to adjust sound quality, set the knob to "0" (flat).

### ⑩ EFFECT

These buttons turn on the effects on channels, add a natural spaciousness to the sound. The default settings have reverb turned off.

## ⑪ LEVEL

Used to adjust the level of the channel signal.

Note: To minimize noise, adjust the knobs on unused channels to a minimum.

## ⑫ EFFECT LEVEL

Used to adjust the effect level sent from the internal effector to the bus.

## ⑬ MAIN OUT

Used to adjust the signal level output to the [MAIN OUT] jack.

## ⑭ Level meter LED

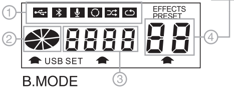
The L and R meters show the level (volume) of the output signal from the [MAIN OUT] socket in 4 levels."+10", "0", "-15"and "-20" dB. If the "PEAK" light continues to glow red, turn the [MAIN L/R LEVEL] knob to the left to lower the volume.

## ⑮ DISPLAY / MODE / PROGRAM

### A.DISPLAY

1.Function Display
2.Display the running status or bluetooth connection status
3.song time display/song number display
4.effect types
(please refer to the list of effects on the right)

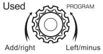
01-03 AMBIENCE
04-06 SPRING
07-14 ROOM
15-22 PLATE
23-30 HALL
31-42 ECHO
43-46 PING PONG
47-50 SLAP REV
51-58 ECHO+REV
59-64 CHORUS
65-70 FLANGER
71-76 DELAY+CHORUS
77-82 REV+CHORUS
83-88 KTV


①
②
③
④
EFFECTS
PRESET
8888
88
USB SET

### B.MODE

Used to switch ① Function, ③Playback, ④Effect

### C.PROGRAM


Used
PROGRAM
Add/right
Left/minus

① Feature selection
③ Play/Pause/Song selection
④ Effect category selection

Rotate the selected track and press Confirm the current selection.

### Operational control instructions

A.[PLAY MODE] (touch the key lightly ) : Press short: select the operation function of the encoder, and then press in turn Is: mode switch, player operation, effect type switch, white arrow indicates the corresponding function.

B. [PLAY MODE] (touch the key lightly) : Long press:

1. In the recording mode or in the stop recording state, you can enter the mode of playing recording files.
2. In non−recording mode, you can quickly enter the mode of playing recorded files.

C. [PROGRAM] key (encoder key) : short press

1. When the white arrow is on the left (mode switch) and the mode icon is flashing, make sure to switch to the current flashing Display mode.
2.When the white arrow is in the middle (player operation), control to run or pause (including playback and recording)
3.When the white arrow is in the middle (player operation) and the rotary encoder pre−selected play track is valid, confirm to play the current corresponding song.

D. [PROGRAM] (encoder key): long press

1. The white arrow is in the middle (player operation), and the control stops (including playback and recording).
2. The white arrow is in the middle (player operation). When the recording has stopped, you can enter the mode of playing the recording file.
3. The white arrow is in the middle (player operation). In the Bluetooth mode, the current Bluetooth connection can be disconnected.

E. [PROGRAM] encoder

1. The white arrow is on the left (mode switching), the mode is pre−selected, and the corresponding mode icon flashes, in sequence it is U disk/sound card, Bluetooth, recording, sequential play, random play, single loop (short press [PROGRAM] key to confirm switching).
2. The white arrow is in the middle (player operation). When the U disk or SD card is playing, pre−select the play track.
3. The white arrow is in the middle (player operation), when the Bluetooth, sound card, and recording file are playing, switch the previous/next song.
4. The white arrow is on the right (switching effect type) to switch the effect type.

F. When playing the recording file of the USB flash drive, the icons of the USB flash drive and the recording are displayed at the same time for instructions.

## ⑯ USB

Used to connect to USB flash drive and computer connection.
(support computer recording)
Supported :MP3 or WAV/WMA/FLAC or as a USB audio device

USB DISK
USB OTG

USB DISK light on when USB flash drive is connected.
When connecting to the computer: THE USB OTG light is on.

## ⑰ USB/LINE

Used to switch input signals on channel 6/7.Press the switch ( ▬ ) when connecting to USB.Turn off the ( ▆ ) switch when the instrument with the output LINE signal is connected to the ⑲ 6/7 LINE input jack.

## ⑱ PHANTOM/+48V LED

When this switch is turned on (▬), the [+48V] LED lights and DC +48 V phantom power is supplied to the XLR plug on MIC/LINE input jack ⑥. Turn this switch on when using a phantompowered condenser microphone.

NOTICE

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 thisswitch on (▬).

1. Be sure to leave this switch off (▆) when you connect a device that does not support phantom power to channel 1.
2. Make sure to turn this switch off ( ▆ ) when connecting/disconnecting a cable to/from channel 1.
3. Slide the fader on channel 1 to minimum before turning this switch on (▬)/off (▆).

## ⑲ LINE

For connecting to line-level devices such as an electric keyboard or an audio device. Use the [L/MONO] jack on channel 6 for instruments, etc. with mono output.
In this case, the sound input to the [L/MONO] jack is output from both the L channel and R channel on the mixer.
This jack is disabled when the [GUITAR/LINE] switch ⑰ is on (▬).

## ⑳ MAIN OUT

These are balanced TRS output jacks that output the mixed stereo signal.
They output the signal adjusted by the L/R master Knob.
Connect these jacks to the power amplifier that drive your main speakers.

## ㉑ PHONES

For connecting headphones.The socket supports stereo phone plug.
If you need to connect headsets or earplugs with mini plugs, please use a switch device to connect.

## PHONE KNOB

Adjust the volume to headphones and Powered monitor speakers connected to the headphones output jack.

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# General Specification

dBu=0.775 Vrms, 0 dBV=1 Vrms
f no pin is specified, all pins will be set to the nominal position.(nominal position adjusted to 10 dB below maximum) Signal generator output impedance Rs)=100 ohm, output load impedance =100k ohm (TRS phone type output)

| | OUTPUT<br>INPUT | | CHANNEL | | STEREO |
|---|---|---|---|---|---|
| | | | MIC | LINE | LINE |
| GAIN (0dBu) | GAIN (0dBu) | | 0~50 | –20~30 | 10~20 |
| | PHONES OUT | MAX ( ALL MAX ) | 81 | 61 | 31 |
| | | 0dB ( GAIN Control at 0dB ) | 0 | –10 | 10 |
| | MAIN OUT | MAX ( ALL MAX ) | 74 | 54 | 24 |
| | | 0dB ( GAIN Control at 0dB ) | 0 | –20 | 10 |
| Signal to Noise Ratio | | MAIN OUT | 76 | 81 | 82 |
| | | PHONES OUT | 76 | 81 | 83 |
| Noise (Control at MIN) | | PHONES OUT (Control at 0dB) | –88 | | |
| | | STEREO OUT (Control at 0dB) | –88 | | |
| | | STEREO OUT (Control at MIN) | –100 | | |

he contents of this manual are the latest technical specifications at the time of printing. As the product will continue to improve, it is possible that the specifications this manual are not in conformity with your product specifications.
lease go to the website to download the latest version of the manual.Technical specifications, equipment or accessories may vary from region to region, so please heck with your local distributor if you have any questions.