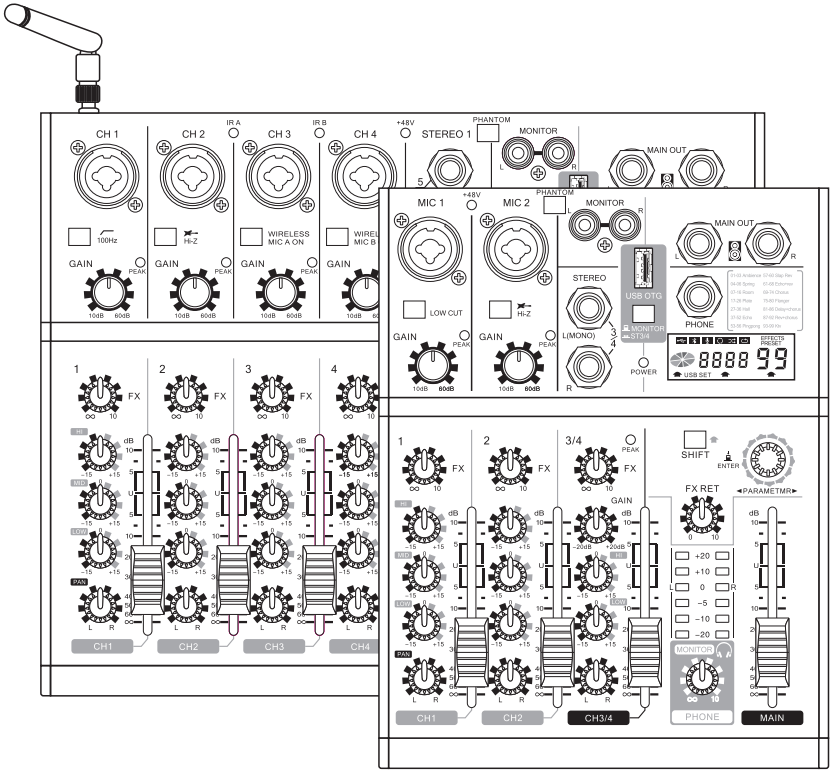
# General Specification

0 dBu=0.775 Vrms, 0 dBV=1 Vrms
If 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 / INPUT | | CHANNEL | | STEREO |
|---|---|---|---|---|---|
| | | | MIC | LINE | LINE |
| | | | Real Parameters | Real Parameters | Real Parameters |
| GAIN (0dBu) | GAIN (0dBu) | 10~60 | 10~60dB | −5~35dB | −20~30dB |
| | AUX | 0dB(GAIN Control at MIN) | 8 | 1 | 1 |
| | | MAX ( ALL MAX ) | 70 | 44 | 40 |
| | PHONES OUT | 0dB(GAIN Control at MIN) | 9 | 2 | 1 |
| | | MAX ( ALL MAX ) | 88 | 63 | 58 |
| | STEREO OUT | 0dB(GAIN Control at MIN) | 9 | 2 | 2 |
| | | MAX ( ALL MAX ) | 78 | 63 | 48 |
| | REC OUT | MAX ( ALL MAX ) | 80 | 55 | 51 |
| CMRR | | 0dB(GAIN Control at MIN) | 58 | – | – |
| THD 0dB | | STEREO OUT (GAIN Control at 0dB) | 0.002% | 0.050% | 0.050% |
| | | PHONES OUT (GAIN Control at 0dB) | 0.001% | 0.060% | 0.060% |
| Signal to Noise Ratio | | STEREO OUT | 96 | 81 | 86 |
| | | PHONES OUT | 84 | 81 | 86 |
| Noise (Control at MIN) | | PHONES OUT (Fader at 0dB) | −81 | | |
| | | STEREO OUT(Fader at 0dB) | −83 | | |
| | | STEREO OUT (Fader at MIN) | −95 | | |
| LOW CUT | | | 100Hz | | |
| ENI | | | −125dB | | |

The 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 in this manual are not in conformity with your product specifications.
Please 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 check with your local distributor if you have any questions.




## 4/8 CH Analog Mixer(optional wireless microphone)

## With Digital Effects, Media Playback And Bluetooth

* the contents of this manual are the latest technical specifications at the time of publication.

# 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 data, or damage to other property, follow the notices below.

## ■ Handling and maintenance

- Do not use the device in the vicinity of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, the device, TV, or radio may generate noise.
- Do not expose the device to excessive dust or vibration, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day), in order to prevent the possibility of panel disfiguration, unstable operation, or damage to the internal components.
- Do not place vinyl, plastic or rubber objects on the device, since this might discolor the panel.
- When cleaning the device, use a dry and soft cloth. Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.
- Condensation can occur in the device due to rapid, drastic changes in ambient temperature—when the device is moved from one location to another, or air conditioning is turned on or off, for example. Using the device while condensation is present can cause damage. If there is reason to believe that condensation might have occurred, leave the device for several hours without turning on the power until the condensation has completely dried out.
- Avoid setting all equalizer controls and faders to their maximum. Depending on the condition of the connected devices, doing so may cause feedback and may damage the speakers.
- Do not apply oil, grease, or contact cleaner to the faders. Doing so may cause problems with electrical contact or fader motion.
- When turning on the AC power in your audio system, always turn on the power amplifier LAST, to avoid speaker damage. When turning the power off, the power amplifier should be turned off FIRST for the same reason.
- When the device no working a long time, please set the switch 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 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 mixer with audio interface, ideal equipment for small performance and network broadcast.

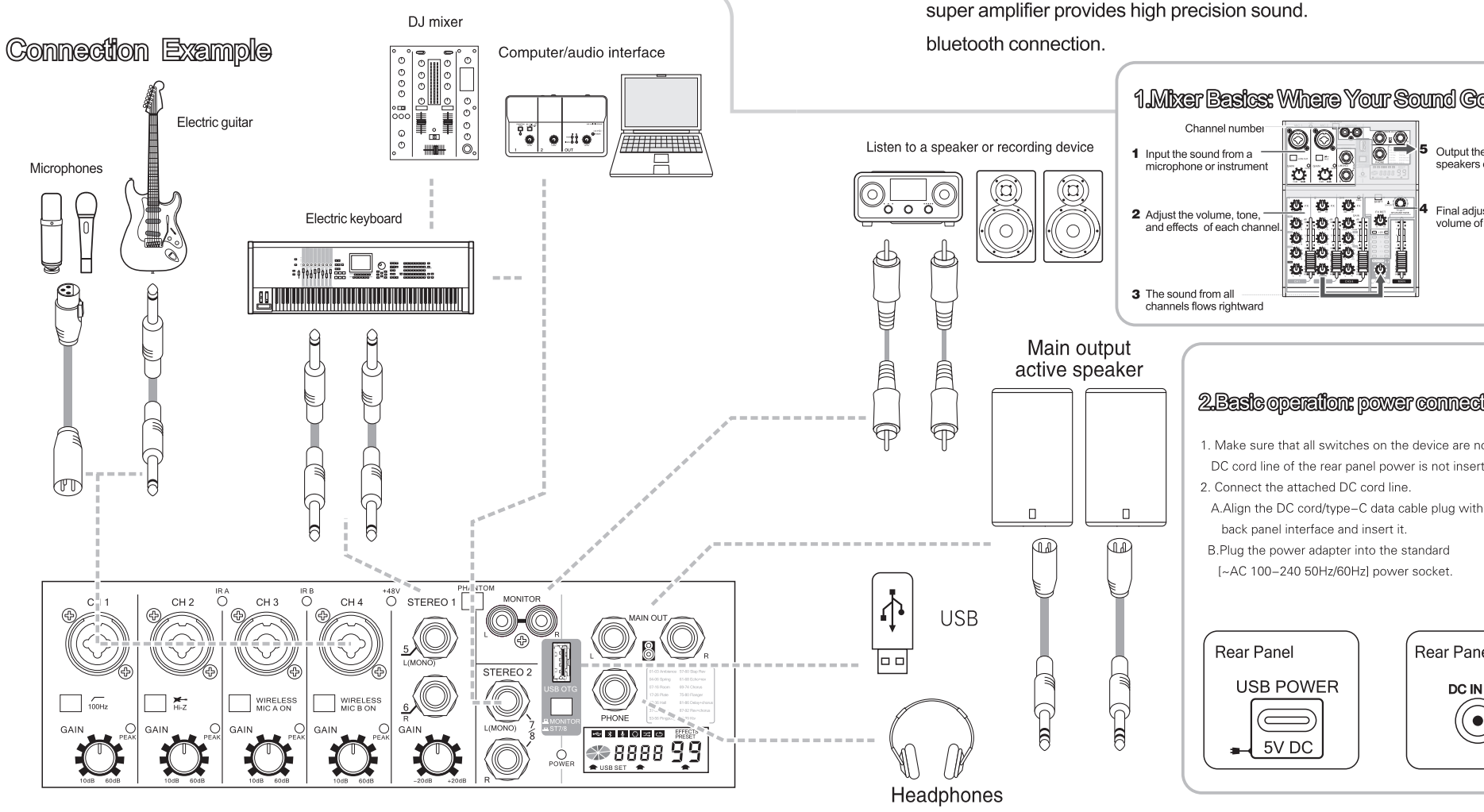
USB recording.

the high quality loop playback function makes the performance and network broadcast more convenient.

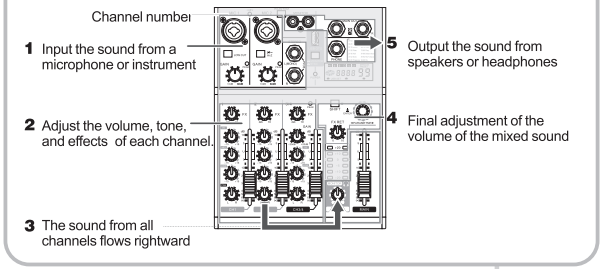
super amplifier provides high precision sound.

bluetooth connection.

## Connection Example

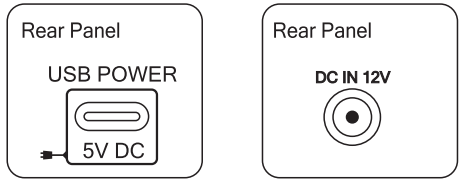



## 1.Mixer Basics: Where Your Sound Goes



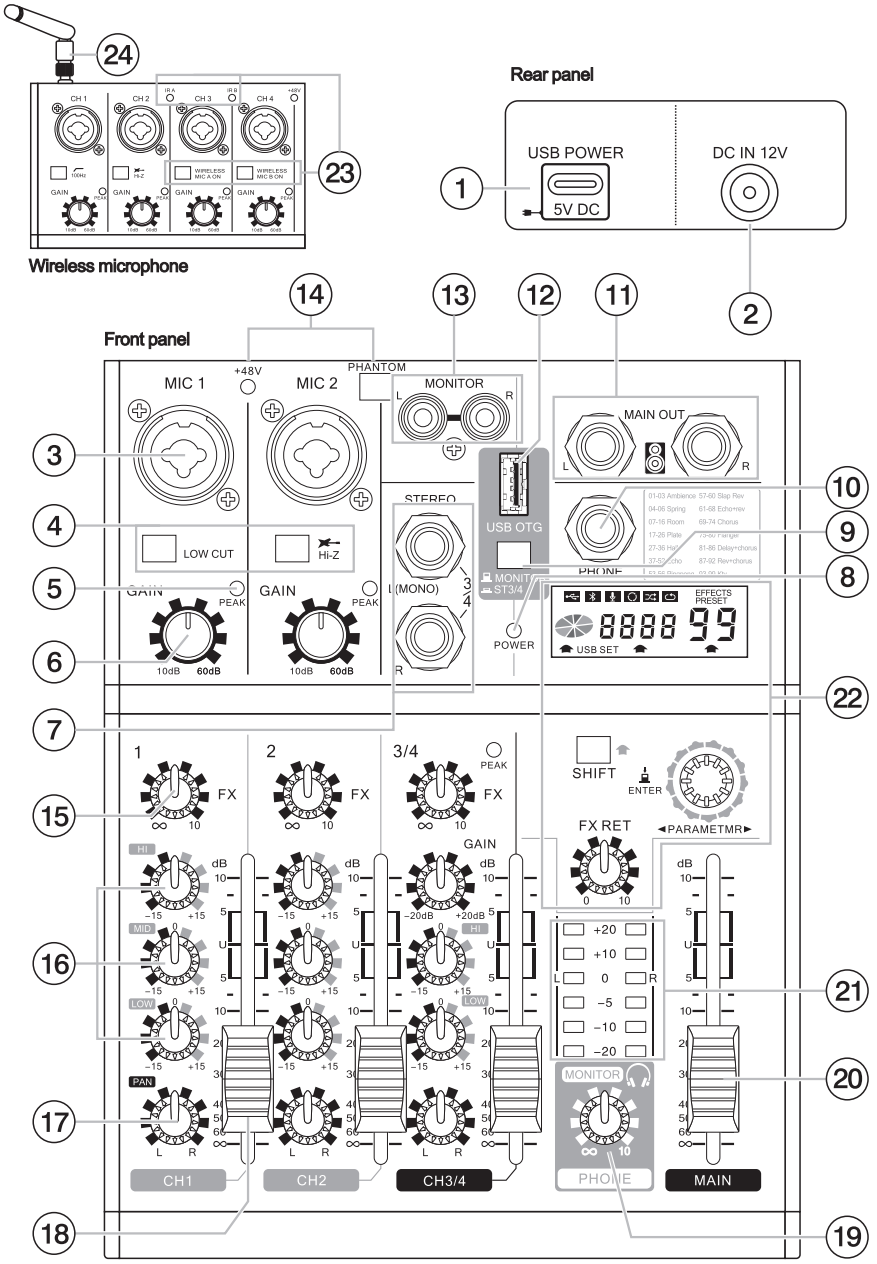

## 2.Basic operation: power connection

1. Make sure that all switches on the device are not turned. DC cord line of the rear panel power is not inserted.
2. Connect the attached DC cord line.
   A.Align the DC cord/type-C data cable plug with the device back panel interface and insert it.
   B.Plug the power adapter into the standard [~AC 100-240 50Hz/60Hz] power socket.




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

# Controls and Functions




①[5V DC IN]

②[12V DC IN]

Used to connect the attached listening DC power adapter.

Note : 1. Continuous and rapid switching between startup and shutdown will cause damage to the equipment. Do not try.The correct way should be to set the power to standby, please wait about 6 seconds before turning it on again.

2. Even if the switch is in standby (O) state, a small amount of current will enter the device.If you do not use the device for a period of time, be sure to pull out the DC power cord

## ③ MIC/LINE

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

## ④LOW CUT

The LOW CUT switch turns the HPF on or off.
To turn on the HPF, press down This switch, The HPF cuts frequencies below 100Hz.

## HI–Z

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.

## ⑤PEAK LED

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

## ⑥GAIN

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

## ⑦STEREO Input

For connecting to line-level devices such as an electric keyboard or an audio device. Use the [L/MONO] jack on channel 2 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 ⑤ is on (▂).

## ⑧ POWER LED

When the DC power cord plug is aligned with the interface of the back panel of the device and plugged into power, the light will be on.

## ⑨[MONITOR/ST3_4] Switch

Used to switch input signals channel MONITOR/ST3_4.Press the switch (▂) when connecting to ST3_4.Turn off the (▃) switch when the instrument with the output signal is connected to the MONITOR input jack.

NOTICE

USB, Bluetooth, and sound card signals are output by MONITOR. Use the MONITOR/STEREO conversion keys to merge the signal into the STEREO channel and adjust the mixing to the MAIN output.

## ⑩PHONES Jack

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.

## ⑪MAIN OUT

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

## ⑫USB

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

## ⑬MONITOR OUT(RCA)

A listening system jack for connecting external devices.These plugs only support RCA pin plugs

## ⑭PHANTOM / +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 ③ . 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.
2. Make sure to turn this switch off (▃) when connecting/disconnecting a cable to/from channel.
3. Slide the fader on channel to minimum before turning this switch on(▂)/off(▃).



## ⑮FX

Adjust the volume sent from each channel to the internal effects and [FX SEND] socket.

## ⑯EQ

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).

## ⑰PAN

Adjusts the volume balance of channels sent to the stereo bus and determines the positioning of the sound image between left and right (stereo L/R).When the knob is in the 12 o 'clock position, the sound of the channel is sent to the stereo bus channel (L and R) at the same volume.In this case, the image is centered.

## ⑱CHANNEL Fader

The level of channel signals.Use these controllers to balance multiple channels.

Note: to minimize noise, minimize the size of the pins on unused channels.

## ⑲[PHONE]/[MONITOR] Knob

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

## ⑳MAIN Fader

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

## ㉑LEVEL TABLE

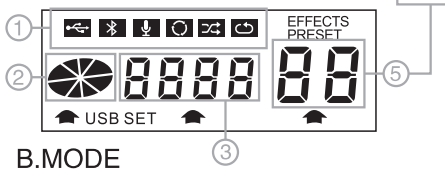
The L and R meters show the level (volume) of the output signal from the [MAIN OUT] socket in six levels."+20", "+10", "0", "-5", "-10" and "-20" dB. If the "PEAK" light continues to glow red, turn the [MAIN] fader lower the volume.

## ㉒ 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 | 57-60 Slap Rev |
| 04-06 Spring | 61-68 Echo+rev |
| 07-16 Room | 69-74 Chorus |
| 17-26 Plate | 75-80 Flanger |
| 27-36 Hall | 81-86 Delay+chorus |
| 37-52 Echo | 87-92 Rev+chorus |
| 53-56 Pingpong | 93-99 Ktv |




### B.MODE

Used to switch① Function, ③Playback, ⑤Effect

### C.PROGRAM

Used


① Feature selection
③ Play/Pause/Song selection
⑤ Effect category selection

Rotate the selected track and press confirm the current selection.

### D.FX RET

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

**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.



## ㉓[wireless microphone]Switch/IR lamp

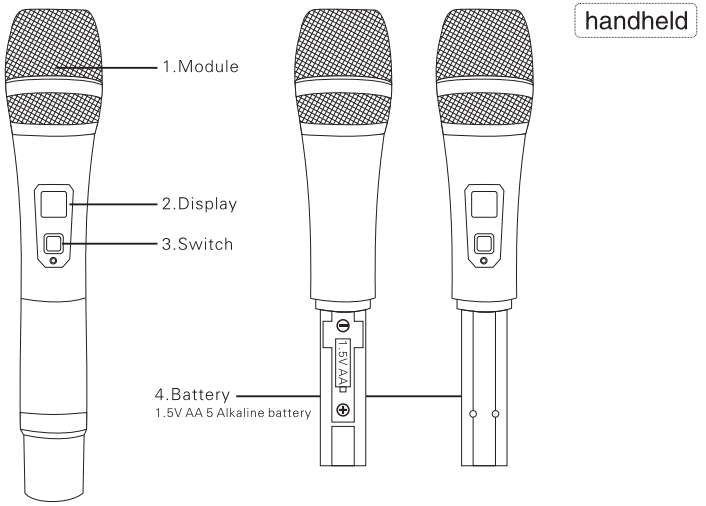
Switch on and indicator of the wireless microphone module.
IR LED，Infrared reception (the light is not on).

## ㉔ANT

Connect the external antenna to increase the service range.

# MICROPHONE

handheld




1. header module: The header protects the header module that transforms sound into audio signals to eliminate "POP" noise and prevent the microphone from rolling on the table.
2. LCD display: Display signal and battery power.
3. power switch: Turn on for 2 seconds off and for 2 seconds in on state.
5. battery bin: for loading 2 AA batteries