# PODCASTING INTERFACE

## KX-S01



**PODCASTING INTERFACE**

Class-A
One Knob Control Preamp

BT  POWER

TONE

BASS  TREBLE

GAIN
MIN  MAX

GAIN
MIN  MAX
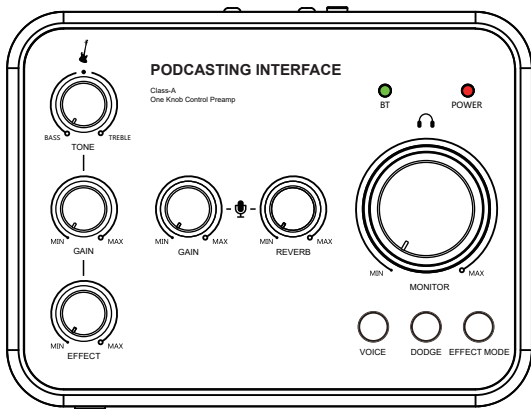
REVERB
MIN  MAX

EFFECT
MIN  MAX

MONITOR
MIN  MAX

VOICE  DODGE  EFFECT MODE

# User Manual

### ■ **Before you get started**

Thanks for your purchasing KX-S01, we appreciate your trust to our product! The quality performance on tone and portable is benefit by our innovation and highly care of your user experience. For your better experience of usage, we highly recommend you to read through this user manual before use.

### ■ **Introduction**

The KX-S01 is a professional audio production solution. The supporting of ASIO drivers and premium selected analog preamp circuit and ADDA solution, it provide you ultra-low latency audio processing system flow with high precision sampling rate up to 24bit/96k. Its compact size and high performance capacity provided the perfect use for content creators, including streamers, podcasters and musicians.

### ■ **Features**

- Premium selected preamp for microphone featuring one knob control on gaining and volume , HI-Z input for instrument  with Presence control for the best tone you have in mind but effortless adjust.
- "WHQL Microsoft Certification" compliance to ensure the stability and compatibility of connection between the product and the Microsoft system;
- USB2.0 transmission standard on the USB connection, provided a high-speed transmission, ultra-low latency;
- 24bit/96KHz high-precision sampling to provide you premium sound quality;
- Powerful external playback and internal recording functions, supporting connected live podcast (featured by streaming plat form), multi-person chat live broadcast;
- Extended connection including 3.5mm headphones and speaker output, microphone and line input with featured volume control access;
- Included combo input(XLR+6.35 Jack) and Hi-Z instrument input (6.35 input), capable to connect to various instruments and microphone in the market.

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- Included a type-C portable device connection supporting computer and portable device(pad and mobile phones) for recording and streaming purpose;

- Stereo 3.5mm unbalance output for external active monitor speaker system.

### ■ **Packing list**

KX-S01 Podcasting Interface : 140*105*52mm ················· 1
Recording line:Φ3.5mm (1.5m) ······························· 1
USB-TYPEC OTG and Charge Cable (1.5m) ····················· 1
TYPEC-TYPEC OTG Cable Phone (1.5m) ······················· 1
IOS-TYPEC OTG Cable Phone (1.5m) ························· 1
User Manual: 130 * 88mm ································· 1
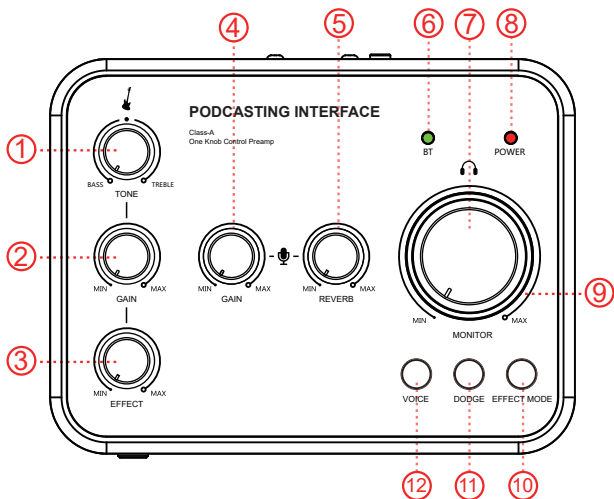
### ■ **System Requirement:**

Portable device with IOS/Android OS;
The USB digital interface is compatible with Windows XP/Vista /7/8/10;

### ■ **Dimension:**
Product size: 140mm * 105mm * 52mm
Net weight of product: 302g
Gross weight of product: 502g
Product material: Plastic ABS and Aluminum control panel;

■ **Function indication**

## Main panel



① Instrument Presence: One knob control for your instrument tone, low end will bring you warmer tone with higher bass requency, hi end will bring you more clarification on high frequency;

② Instrument Gain control: One knob control for analog gain and volume of your instrument input;

③ Instrument Effect Level: Featured effect level bring for your instrument input;

④ Microphone Gain: One knob control for analog gain and volume of your microphone input;

⑤ Reverb volume: Level control of the reverb effect for your microphone input;

⑥ Bluetooth status light(for Bluetooth playback device): Bluetooth working status indication, flashing while blue tooth is not connected, light on while Bluetooth device is connected;

⑦ Monitor Volume Control: Volume control for headphone and output volume;

⑧ Power lamp: Battery condition status indication, while the lamp is on continuously, means the battery power is enough for long time usage. When the lamp is flashing slowly, means it's under risk of battery condition, while the lamp is flashing quickly, you need to charge the device as soon as possible;

⑨ Atmosphere light:After power on, the knob decoration green backlight comes on.

⑩ Instrument Effect mode buttom: effect selection including Chorus/Reverb/Delay/Flanger/Auto-Wah;

⑪ Dodge: Instant volume control, when you turn on the dodge function, your background music will automatically turn down and keeping your vocal at the more noticeable level;

⑫ Voice(vocal cancelation of the back ground music): when you press the vocal bottom, the playback music will be voice cancelled and generated a MMO background music, perfect for singing performance purpose against the music you have on your mobile phone device.

# Front panel
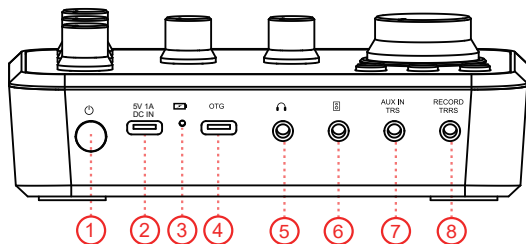


① Power switch: Press and hold the power button for 2 seconds, device will be on;

② Charging interface: connect the power adapter to power the device, please use the standard power adapter, and pay attention to the power specifications: DC 5V 1A with the correct polarity;

③ Charging lights: Red light will be on when charging; Full charged with green light.

④ OTG interface: TYPE-C OTG computer/mobile phone recording live broadcast.

⑤ Headphone socket: Headphone output, (internal of the jack socket is the reset botton)



Headphone Jack    RESET

PCB
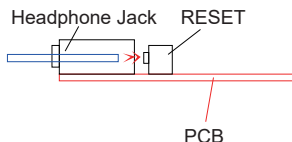
(6) Output: Audio line output for external speaker and monitor system;

(7) Music input: Aux input for other playback device supporting 3.5mm stereo output;

(8) Recording interface: simulate mobile phone recording and mobile phone live broadcast interface.

GND                                                    GND

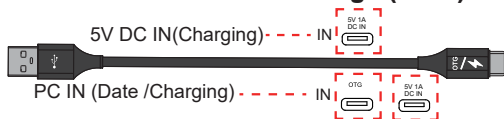L R  LIVE_REC                          LIVE_REC  R  L

# Rear Panel
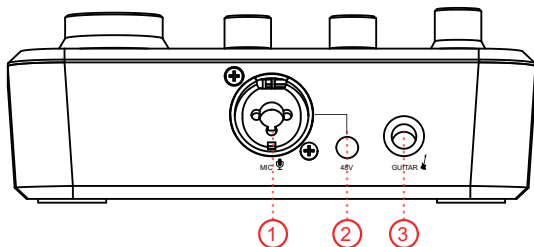


(1) Combo Microphone Input(XLR/6.35jack): Combo input for balance and unbalance microphone connection, supporting phantom power support;

(2) Phantom Power Switch: 48V phantom power switch with light indication;

(3) Hi-Z microphone and instrument input: Unbalance input for microphones and instrument device supporting analog output;

## Analog Connections:

## USB-TYPEC OTG cable charge (1.5m)

5V DC IN(Charging) - - - - IN

PC IN (Date /Charging) - - - - IN

## TYPEC-TYPEC OTG cable Phone (1.5m)

Android phone Date - - - - IN        NO Charging

## IOS-TYPEC OTG cable Phone (1.5m)

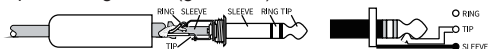IOS phone Date - - - - IN        NO Charging

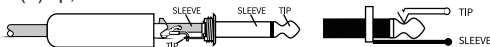## Recording line:Φ3.5mm (1.5m)

Shielding (grounding)Pin, (2) hot(+) pin, (3) cold(-) pin
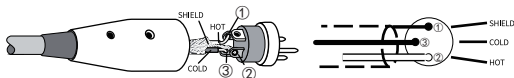
## Balanced TRS (Φ6.35mm )

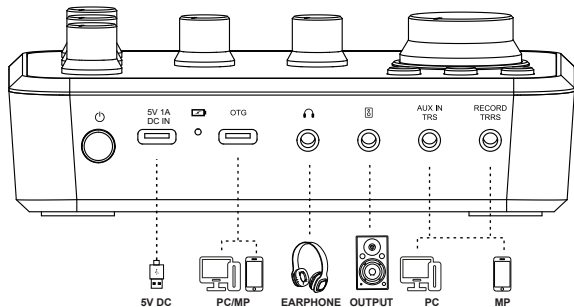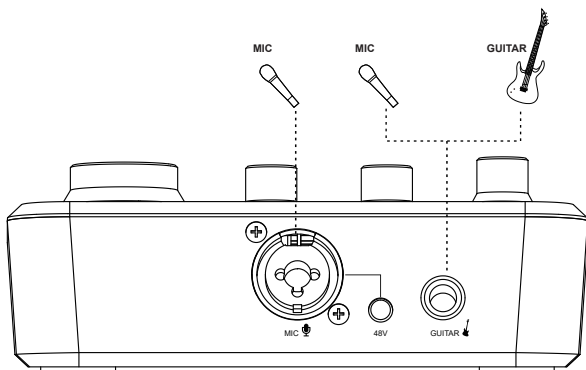Hot (+) tip, cold ring, cover (grounded) sleeve

## Unbalanced TS (Φ6.35mm )

Thermal (+) tip, shielded sleeve

■ **Connection indication**



MIC    MIC    GUITAR

MIC  48V  GUITAR

5V 1A DC IN  OTG  AUX IN TRS  RECORD TRRS

5V DC  PC/MP  EARPHONE  OUTPUT  PC  MP

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### ■ **Bluetooth connectivity**

After starting up, Bluetooth is in the standby link state, and the green light flashes. When the mobile phone turns on Bluetooth and searches for available devices, it will pop up "KX-S01" and click pairing. After pairing is successful, the green light stays on for a long time, and Bluetooth enters the link state.

### ■ **Live streaming app**

After the reference link diagram is installed and connected to the device, the hardware monitoring knob is adjusted to the middle area, and the playback software is opened, such as "Cool Dog Music" selects "Accompaniment Sound Source" as the output audio device, and then opens the corresponding live broadcast platform on the computer and mobile phone side to carry out the computer and mobile phone synchronous live broadcast.

### ■ **IOS compatibility mode**

The KX-S01 can be used directly from USB to iPad 、 iPhone link to achieve recording, live broadcasting, music appreciation and other operations. The Hardware Listener knob allows you to control the sound mixing ratio.If the IOS system version is too low, there may be incompatibilities, depending on the IOS system version. We strongly recommend purchasing the original Apple Camera Kit. In compatibility mode of operation, the KX-S01 requires an external standard power supply, and a standard power adapter is recommended. If the iPad back panel is equipped with a protective case, the plug of the camera connection kit, it may be possible to plug tightly or poorly contact, if this problem occurs, remove the protective case.If the sound card is incompatible with the connected iPad or iPhone device, the  iPad,  the iPhone detects an incompatible USB device and displays a message "Unusable Device -- Connecting USB devices are not supported". In newer versions of IOS devices, the device name will be displayed after connection, or due to different IOS versions, there may be some APP it does not work or the recording is recorded only to one-sided channels.

### ■ **Fault handling**

First, Cannot power on:

    Make sure the device has power or is connected to a power source via an adapter.

Second, the computer can not recognize:

1. Confirm whether the USB cable is used correctly, check whether the USB cable is broken or damaged, and try to use normal USB Data cable replacement, should not use more than 3 meters of data cable connection.
2. The USB port is not activated in the system (please check the "Device Manager" of the Windows system)
3. The USB cable is not connected to the jack, or is not properly connected to the jack.
4. The sound card is not connected to a power source.

Third, no sound:

1. Check if the device volume control knob is too small and try adjusting the volume knob to normal level.
2. Check if the playback software is playing normally, try to quit and reopen to see if it returns to normal.
3. Check if the audio device is disabled.
4. The software or hardware sound is not, check whether the hardware monitor knob is in the MIN minimum position, try to adjust to the middle position, and then check whether the sound is restored.
5. Check whether the microphone and speaker are properly linked to the device, please refer to the connection example to confirm.
6. If using a condenser microphone powered by 48V, check "48V " Whether the switch LED is lit.
7. Check that the headset is connected to the bit, try plugging it back in and try again.
8. Check whether the audio device has been selected as this device, please refer to the computer audio setting instructions and playback software audio device selection to confirm.

9. If there are other USB devices connected to the computer at the same time, try to unplug after checking whether the sound returns to normal.

10. If there are other programs running at the same time conflict, try to close the other programs after checking if the sound returns to normal.

Fourth,Abnormal sounds (noise, broken tone, distortion):

1. Whether long continuous audio is being recorded or played, the computer's audio data processing ability depends on many factors, including CPU speed access to external devices, try to reduce the audio track after checking the sound.

2. Known issues such as insufficient power to the computer CPU or insufficient USB bus transfer rate, pop or dry sound will occur.

## ■ **Fault handling**

In order to avoid personal injury or property damage that may be caused by electric shock, high temperature, fire, radiation, explosion, mechanical hazard, and improper use, please read carefully and observe the following before using this product:

1. When using the product, please confirm whether the connected device matches the power of the product and adjust the volume size reasonably, and do not use it for a long time under the power and volume of the product, so as not to cause product abnormalities and hearing damage;

2. If you find abnormalities (such as smoke, odor, etc.) during use, please immediately turn off the powerswitch and unplug the power plug, and then send the product to the dealer for maintenance;

3. This product and accessories should be placed in a dry and ventilated place indoors, do not store in a humid and dusty environment for a long time, avoid being close to the fire source, rain, water ingress, excessive collision, throwing, vibration and covering ventilation holes during use, so as not to damage its function;

4. This product shall not be subject to water droplets or splashes, and no liquid-filled items such as vases shall be placed on the product;

5. When cleaning this device, be sure to unplug the power plug from the power outlet, and use a soft dry cloth when cleaning the device. Do not use paint thinners, solvents, cleaning fluids or wipes soaked in chemicals;

6. During a thunderstorm or when it is not used for a long time, please unplug the device;

7. Do not use wall outlets or extension cords to overload, otherwise it may cause a risky fire or electric shock;

8. Protect the power cord from being stepped on or squeezed, especially plugs, sockets and where they are connected to the power cord;

9. When using the product, you must comply with the relevant safety regulations, laws and regulations clearly prohibit the use of the machine, so as not to cause accidents;

10. Please use the accessories specified by the manufacturer;

11. Please do not disassemble or repair the machine to prevent personal injury, if there is a problem or service needs, may be lost Warranty service provided by Kexin Electronics Co., Ltd.;

12. If you use a power adapter to power this product, please use the power adapter shipped; If you need to use other adapters, you should purchase a power adapter that is CCC certified and meets the requirements of the standard;

13. The altitude and climatic conditions of this product are determined by the optional adapter, and the icon on the adapter represents the following meaning:

Applies only to altitudes of 2000 and is only suitable for non-tropical use

Meters below the use of climate conditions

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## ■ **Functional Parameter:**

Instrument input (unbalanced)
Frequency response: 20HZ-20KHZ
Dynamic range: 82db
Maximum input level: +3.8dbu
Input resistance: 100K
Preamp Gain range: 0db- +30db

Microphone (balanced)
Frequency response: 20HZ-20KHZ
dynamic range: 82db
Large input level:+0.3dbu
Input resistance:3K
Gain range: 0db - +30db

Line input 1/2 (balanced)
Large input level: +2.6dbu
Input resistance: 10K
Gain range: 0db- +30db

Signal-to-noise ratio(A/D):91db
Total harmonic distortion(D/A): 0.1%

48V microphone input (balanced)
Frequency response: 20HZ-20KHZ
Dynamic range: 82db
Maximum input level:+0.4dbu
Input resistance: 3K
Preamp gain range：0db- +30db

Main output(impedance balanced)
Maximum output level: +6dbu
Output resistance: 100Ω
Gain range: 0db- +30db

2600 mAh battery power consumption Discharge
current: 500mA  Play music for about 5 hours when fully charge
Charging time: about 3 hours

FCC Warnning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection againstharmful interference in a residential installation. This equipment generates, uses and can radiateradio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing measures:

· Reorient or relocate the receiving antenna.

· Increase the separation between the equipment and receiver.

· Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.