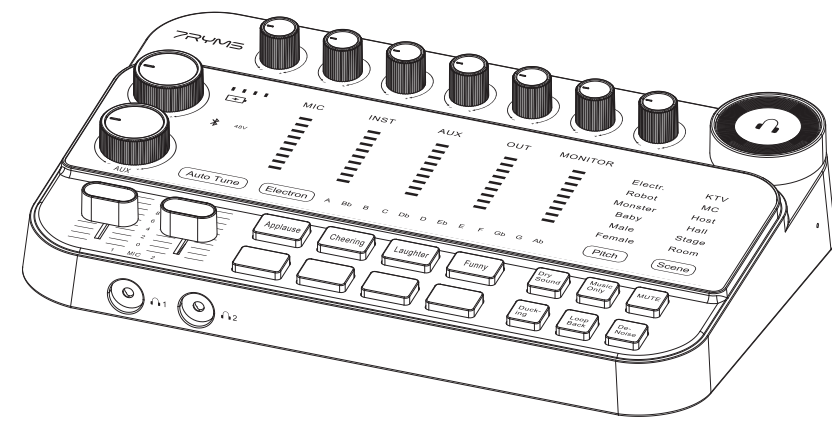
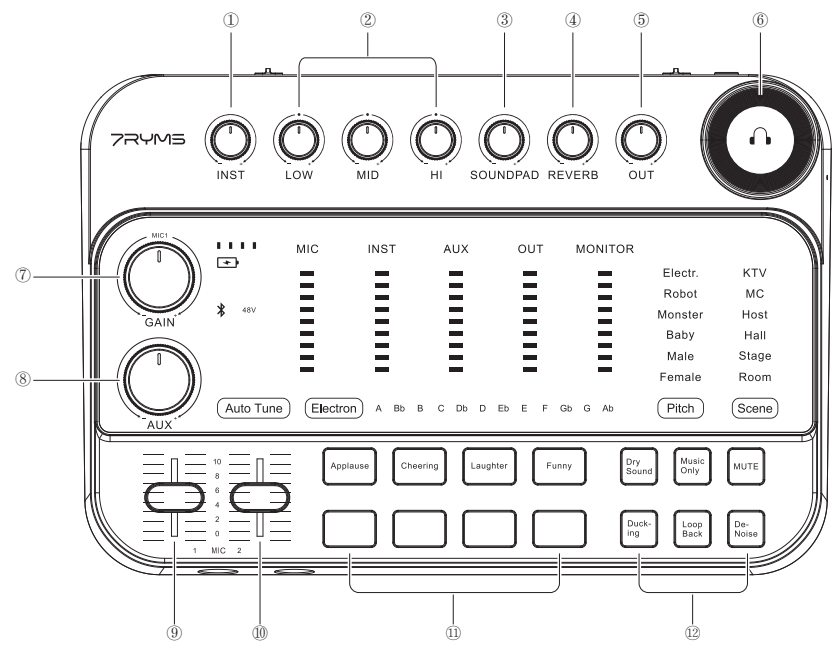


7RYMS



7Caster SE2
Multi-functional Streaming/Podcasting/Recording Audio Interface
User Manual

Components and Instruction



Foreword

Thank you for purchasing 7Ryms multi-functional streaming/podcasting/recording audio interface 7Caster SE2.

Main Features

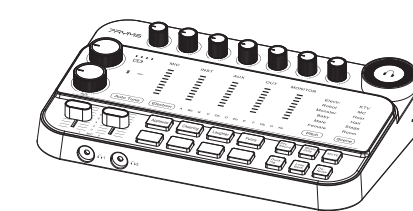
- 48Hz/24bit Record, Broadcast-level Sound Quality
- Integrated XLR/3.5mm Interface, Support 48V Mics and Instruments Input
- Multiple I/O Interfaces to Connect Phones, Tablets, and Computers
- Built-in Bluetooth 5.3 Chipset with Stable Transmission and Low Latency
- Support Individual Input Gain, Output Gain, and Monitor Volume Control
- Adjustable Low/Mid/High Tone, Spatial Panning, and Reverb Depth
- Support Auto-tune, 12-step Electronic Sounds, 6 Pitch Changers, and 6 Scene Reverts
- 8 Sound Pads to Create Live Streaming and Podcasting Atmosphere
- Support Dry Sound/Music Dry/and Auto-Ducking/Loopback/Denoise Functions
- Support Real-time Monitoring and Audio Dynamic Monitor
- Operating Time Up to 6 Hours, Support Charging While Using

Notice

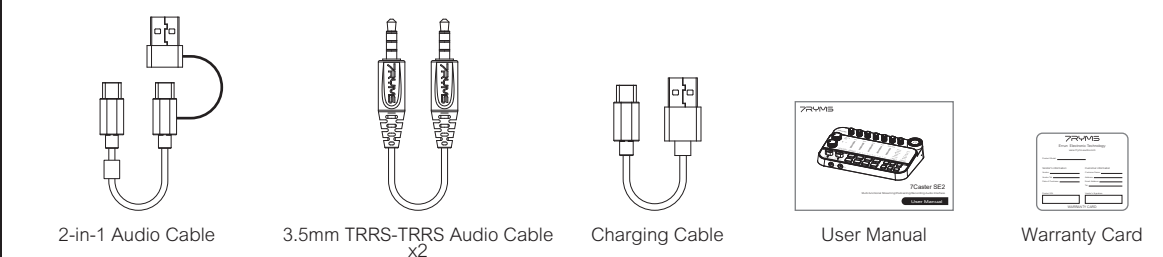
- When working with other high-sensitive products, please adjust the gain to the minimum before turning the audio interface on. Users can then adjust the gain step by step to avoid sound peak or audio feedback.
- When connecting mics that do not require 48V phantom power, please turn off 48V phantom power to avoid damaging the mics.
- Before connecting/disconnecting the microphones, please turn off the 48V phantom power to avoid damaging the devices.
- Please read this user manual thoroughly before using the product, and keep it for future reference.
- Please do not expose the product to rain or moisture, and avoid splashing water or other liquids on it.
- Please do not use or store the product near radiators, stoves, or other heat-producing appliances.
- Please do not use a high-precision product. Please prevent it from dropping or colliding.

Packing List

Main Part:



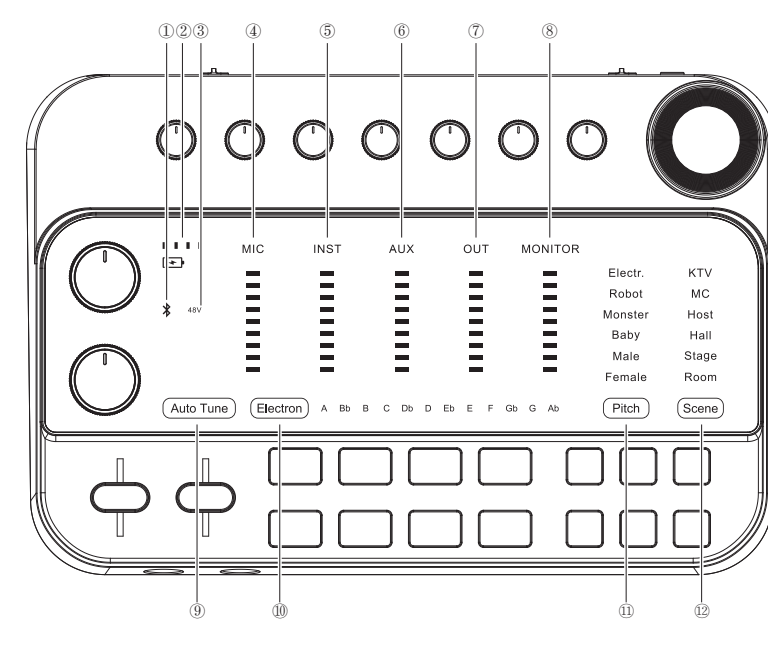
Accessories:



- INST Knob:** Adjust the instrument gain input from the 6.35mm port
- LOW/MID/HI Knob:** Reduce/strengthen the low/mid/high pitch of the audio input through MIC 1/2; turning to the midpoint keeps the original sound; turn counterclockwise to reduce and turn clockwise to strengthen the pitch
- SOUNDPAD Knob:** Adjust the volume of the eight sound pads
- INST/REVERB Knob:** Adjust the reverb depth of vocal signals input from MIC 1/2
- OUT Knob:** Adjust the total output gain
- Monitor Knob:** Adjust the monitor volume
- GAN Knob:** Adjust the microphone gain of MIC 1
- AUX Knob:** Adjust the volume of audio signals input from Bluetooth, AUX, and USB-C ports
- MIC 1 Push Button:** push up/down to adjust the volume of MIC 1
- MIC 2 Push Button:** push up/down to adjust the volume of MIC 2
- Sound Pads:**
 - 8 sound pads including 4 preset sound effects (applause, cheering, laughter, funny) and 4 customized sound effects
 - Short press to turn on/off the sound effect, and the corresponding button light turns on/off
 - Customize sound effects: Long press to start recording, the button light flashes during recording; short press to stop recording; it can record up to 15 seconds and automatically stop recording after 15 seconds; after recording, short press the button to play the recorded audio; the previous audio will be overwritten after re-recording

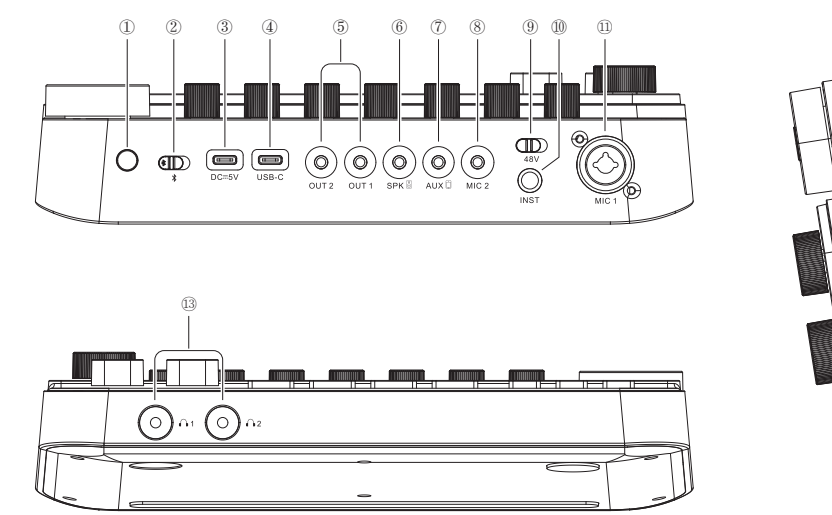
No custom sound effects were recorded by default. Users can record and use it by themselves

- Function Buttons:**
 - Press the button to turn on/off the corresponding function, and the button light is on/off
 - Dry Sound:** Turn off all sound effects temporarily and output only the dry sound recorded by the microphone
 - Music Only:** Remove the vocals in the background music and reserve only the music part
 - MUTE:** Mic and INST outputs are muted
 - Ducking:** Automatically lower the volume of background music to highlight vocals
 - Loopback:** The audio input from the USB-C port can be recorded and output to the computer via USB-C port. After turning the function off, the audio input from USB-C port can be monitored, but cannot be output to the computer via USB-C port
 - Denoise:** Automatically filter the background noise from the MIC 1/2 audio signal



- Bluetooth indicator light:** Flashes when Bluetooth is on and not connected; keeps lighting after connected successfully
 - Battery indicator light:** Indicates the battery power and charging status
 - 4 lights on when power is 80%-100%; 3 lights on when power is 60%-80%;
 - 2 lights on when power is 40%-60%; 1 light on when power is 20%-40%;
 - 1 light flashes when power is <20%
 During charging, the four lights flash in sequence. When the power is higher than 20%, the first light is always on, and the last three lights flash in sequence; and so on
 - 48V indicator light:** Keeps lighting when the 48V phantom power is turned on
 - MIC audio dynamic bar:** Indicates the input level of MIC 1/2
 - INST audio dynamic bar:** Indicates the input level of instrument
 - AUX audio dynamic bar:** Indicates the volume level of the background music
 - OUT audio dynamic bar:** Indicates the gain level of total output
 - MONITOR audio dynamic bar:** Indicates the level of the monitor volume
- Each audio dynamic bar contains 9 lights that light up from the bottom to up: 1-6 is cyan, 7-8 is yellow, and 9 is red. The more lights are on, the higher the corresponding level is.
- Auto Tune:** Short touch to turn on/off the auto-tune function; when turned on, the button lights up and it can fix slightly off-pitch notes in vocal performances of MIC 1/2
 - Electron:** Short touch to turn on the electron function; after turning it on, short touch the button to switch between A-Ab 12 level sound effects, the button and corresponding letter light up. When cycling to Ab, short touch to turn off the electronic sound function; long press can also turn it off
 - Pitch:** Short touch to turn on the voice changing function; after turning it on, short touch the button to switch between 6 sound effects: Female-Male/Baby/Monster/Robot/Extr.; the button and corresponding effects light up. When cycling to the Electr, short touch to turn off the function; long press can also turn it off
 - Scene:** Short touch to turn on the preset scene sound effect; After turning it on, short touch the button to switch between Room/Stage/Hall/Host/MC/KTV 6 scene sound effects, the button and corresponding scene light up. When cycling to KTV, short touch to turn off the effects; long press can also turn it off
1. Auto Tune, Electron, and Pitch function cannot be used at the same time, only one function can be selected.
2. Pitch and Scene function cannot be used at the same time, only one function can be selected

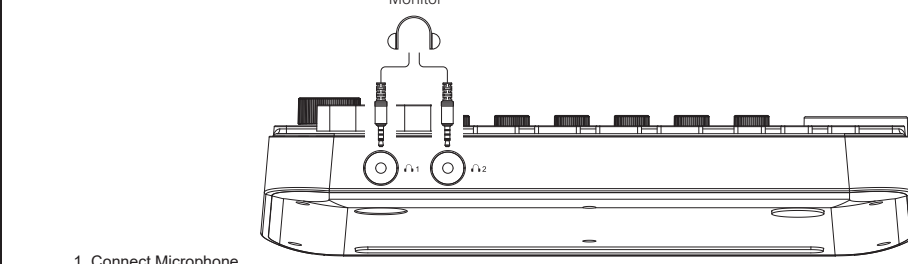
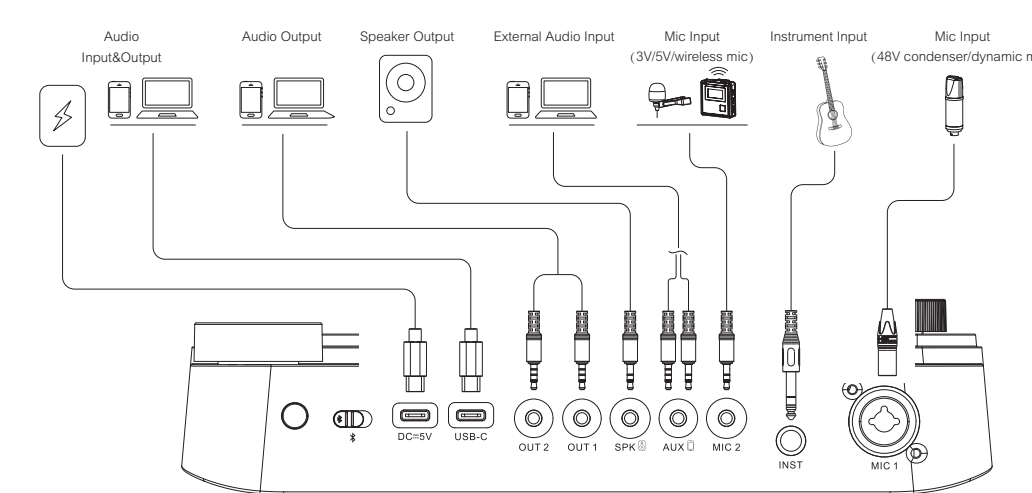
正面



- Power Button:** Long press to power on/off
- Bluetooth Switch:** Push to turn on/off Bluetooth
- Charging Port:** Connect the device to the power bank/DC power through the charging cable for charging
- USB-C Port:** Connect phone/computer to input/output audio signal
- OUT 1/2:** 3.5mm TRRS output port to connect phones, computers, and tablets for audio signal output
- SPK:** 3.5mm TRS output port to connect speaker for audio signal output
- AUX:** 3.5mm TRS/TRRS input port to connect computer or phone for external audio signal input
- MIC 2:** 3.5mm TRS input port to connect mic for audio signal input
- 48V Switch:** Push to turn on/off the 48V phantom power of MIC 1
- INST:** 6.35mm input port to connect instrument for audio input
- MIC 1:** Connect XLR microphone for audio input, support 48V phantom power
- Reset Hole:** If the device cannot be charged or used, take a pin to press the reset hole to reset it
- Monitoring Port 1/2:** Plug in 3.5mm TRS/TRRS headphones to monitor

Installation and Usage

Devices Connection:
Users can connect the corresponding devices to 7Caster SE2 referring to the following pictures



- Connect Microphone:** Users can connect an XLR microphone through the MIC 1 interface. When connecting a microphone that requires 48V phantom power, please switch on the 48V phantom power. Users can also connect a microphone with a 3.5mm interface through MIC 2 interface
 - 1. Please turn off the 48V phantom power before connecting/disconnecting XLR mics to avoid damaging the Device;
 - 2. Please make sure to turn off the 48V phantom power when using mics not powered by it
- Connect Instrument:** Users can connect musical instruments through the 6.35mm INST interface
- External Audio Input:**
 - 1. AUX and USB-C Input: Users can connect the smartphone/computer to the device via the AUX and USB-C ports for audio signals input and adjust the volume through the AUX knob.
 - 2. Bluetooth Input: Users can connect the smartphone to the device via Bluetooth for audio signals input and adjust the volume through the AUX knob
- Pairing Method:** Turn on the Bluetooth function of the device and mobile phone; search for 7Ryms_7Caster SE2 and select the device in the phone. Bluetooth input can be used after connecting successfully.
- Connect Monitoring Headphones:** Users can connect the TRS/TRRS headphones to the 3.5mm monitoring port 1/2 and adjust the monitoring volume through the monitor knob
- Connect Speaker:** Users can connect speaker to the 3.5mm SPK port to output audio signal
- Connect Smartphones/Computers for Outputs:** Users can connect smartphones/computers through the USB-C & OUT 1/2 ports to output audio signals

DAW Software Setting:
When recording with Digital Audio Workshop, please follow the instructions below to set up (Take Cubase and Pro Tools as examples.)

Cubase

- Please download and install the driver ASIO4ALL in advance
- Connect 7Caster SE2 to the computer, open Cubase, and create a new project
- Click 'Devices - Device Setup'; Select 'VST Audio System - ASIO4ALL v2'
- Click 'ASIO4ALL v2 - Control Panel' to activate the 7Caster SE2 input/output port (click to lighten the power and play icons)

ProTools

- Please download and install the driver ASIO4ALL in advance
- Connect 7Caster SE2 to the computer, open ProTools, and create a new project
- Click 'Setup - Playback Engine', and choose 'ASIO4ALL v2'
- Click 'Setup - Hardware - ASIO4ALL v2 Launch Setup App' to activate the 7Caster SE2 input/output port (click to lighten the power and play icons)

If 7Caster SE2 cannot be found in the software, please make sure that 7Caster SE2 is turned on and connected to the computer, then check the sound settings in the computer to see if 7Caster SE2 has been set as the default output device of the computer

Specifications

Interfaces	Specifications
Input Port	1 x XLR/6.35mm, 1 x 3.5mm
INST Port	1 x 6.35mm
AUX Port	1 x 3.5mm
Digital Port	1 x USB OTG
OUT Port	2 x 3.5mm
Speaker Output	1 x 3.5mm
Monitor Output	2 x 3.5mm
Audio Resolution	
Sampling Rate	48kHz
Bit Depth	24bit
Microphone Input	
Dynamic Range	100dB(A-weighted, as per IEC651)
Frequency Response	20Hz - 20kHz, ±0.1dB
THD+N	0.003%, 1kHz, -38dBFS, 22Hz/22kHz BPF
Equivalent Noise	-128dB(A-weighted, as per IEC651)
Input Impedance	5kΩ
Maximum Input Level	+6dBu
Gain Range	10dB - 50dB
INST Input	
Dynamic Range	100dB(A-weighted, as per IEC651)
Frequency Response	20Hz - 20kHz, ±0.1dB
THD+N	0.003%, 1kHz, -38dBFS, 22Hz/22kHz BPF
Equivalent Noise	-128dB(A-weighted, as per IEC651)
Input Impedance	5kΩ
Maximum Input Level	+6dBu
Gain Range	0 - 30dB

Speaker Output	Specifications
Dynamic Range	100dB(A-weighted, as per IEC651)
Frequency Response	20Hz - 20kHz, ±1dB
Input Impedance	470Ω
Maximum Input Level	+6dBu
Monitor Output	
Dynamic Range	100dB(A-weighted, as per IEC651)
Frequency Response	20Hz - 20kHz, ±1dB
Input Impedance	60Ω
Maximum Input Level	+6dBu
Battery	
Working Time	Phantom power on: 5 hours; Phantom power off: 7 hours
Charging	USB-C 5V/2A
Phantom Power	48V
Net Weight	605g
Size	250 * 170 * 60mm
Working Temperature	0°C - 50°C
Storage Temperature	-20°C - 60°C



Website: 7ryms.com
Facebook: 7RYMS
Instagram: 7ryms_official
YouTube: 7RYMS

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背面

尺寸: 160x110mm;材质: 书纸; 首页做封面; 不过膜