7RYMS

7Caster SE3

Streaming/Podcasting/Recording Multi-functional Audio Interface

User Manual

Foreword

Thank you for purchasing 7RYMS Streaming/Podcasting/Recording Multi-functional Audio Interface 7Caster SE3

Main Features

- 48kHz/24bit Record, Broadcasting-level Sound Quality
- Revolutionary ENC Denoise Algorithm, Two-stage Denoise Mode
- Integrated XLR/6.35mm/3.5mm Interface, Support 48V Mic and Instrument Input
- Multiple I/O Interfaces to Connect Phone, Tablet, and Computer
- Built-in Bluetooth 5.3 Chipset with Stable Transmission and Low Latency
- Support Individual Input Gain, Output Gain, and Monitor Volume Control
- Adjustable High/Mid/Low Tone, Reverb Depth, and Sound Pad Volume
- Support Auto-tune, 6 Scene Reverb, 6 Pitch Changers, and 12-step Electronic Sounds
- 8 Sound Pads to Create Live Streaming and Podcasting Atmosphere
- Support Music Only/Dry Sound/Loopback/Ducking/Mute Function
- Support Real-time Monitoring and Audio Dynamic Monitor
- Operating Time Up to 6 Hours, Support Charging While Using

Notice

⚠ When working with other highly sensitive products, it is recommended to adjust the gain of 7Caster SE3 to the minimum before turning it on. Users can then adjust the gain step by step to avoid sound peak or audio feedback

⚠ When connecting to mics that do not require 48V phantom power, please turn off 48V phantom power to avoid damage to the mics

⚠ Before connecting/disconnecting the microphones, please turn off the 48V phantom power to avoid damage to the devices

⚠ Please read this user manual thoroughly before using the product, and keep it for future reference

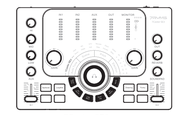
⚠ Please do not expose the product to rain or moisture, and avoid spilling water or other liquids on it

⚠ Please do not use or store the product near radiators, stoves, or other heat-producing appliances

⚠ This product is of high-precision, please prevent it from dropping or colliding

Packing List

Main Part:



7Caster SE3

Accessories:

2 in 1 Audio Cable

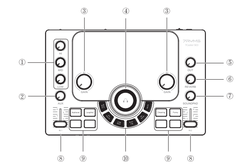
3.5mm TRRS-TRRS Audio Cable x2

Charging Cable

User Manual

Warranty Card

Components and Instruction



1. High/Mid/Low Pitch Control Knob
Reduce/strengthen the high/mid/low pitch of the audio input through IN1/2; turning to the midpoint keeps the original sound; turn counterclockwise to reduce and turn clockwise to strengthen the pitch

2. AUX Input Volume Control Knob
Adjust the volume of audio signals input from Bluetooth, AUX, and USB-C ports

3. Mic Gain Control Knob 1/2
Adjust the gain of IN1/2

4. Monitor Volume Control Knob
Adjust the monitor volume

5. Output Gain Control Knob
Adjust the total output gain

6. Reverb Depth Control Knob
Adjust the reverb depth of vocal signals input from IN1/2

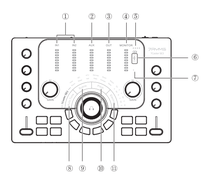
7. Sound Pad Volume Control Knob
Adjust the volume of the 8 sound pads

8. Input1/2 Volume Control Fader
Push up/down to adjust the volume of IN1/2

9. Sound Pads
8 sound pads, including 4 preset audio effects (applause/laughter/cheering/funny) and 4 custom audio effects.
Short press to turn on/off audio effects and the indicator turns on/off
9.1 How to set customized audio effects: Long press to start recording and the indicator blinks; short press to stop recording. The longest recording time is 15 seconds and the recording will stop automatically when time is up. Short press the button again to repeat the audio recorded and the previous audio will be overwritten after re-recording

☞ Customized audio effect has not been recorded by default

10. Sound Effect Buttons
Short touch to turn on/off a function and the light will turn on/off
Music Only:
Remove the vocals in the background music and reserve the music part
Dry Sound:
Turn off all audio effects temporarily and output only the dry sound recorded by the microphone
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
Ducking:
Lower the volume of background music to highlight vocals
Denoise:
Short press to turn on/switch/turn off denoise. The indicator shows blue when the first-stage denoise is on, and shows orange when the second-stage denoise is on. Denoise automatically filters background noise of mic1/2
MUTE:
Mute the output audio from IN1/2



1. Input1/2 Dynamic Bar
Shows the input level of IN1/2

2. AUX Input Audio Dynamic Bar
Shows background music volume level

3. Output Audio Dynamic Bar
Shows the total output volume level

4. Monitor Audio Dynamic Bar
Shows the monitor volume level

☞ Each audio dynamic bar contains 9 lights: 6 cyan at the bottom, 2 yellow in the middle and one red on the top. The more lights glow, the higher the level is

5. Power Status Indicators
Show the interface's power and charging status
5.1 Battery life:

four lights on	three lights on	two lights on	one light on	the first light blinks
80%-100%	60%-80%	40%-60%	20%-40%	<20%

5.2 Four lights blink in sequence while charging. When the battery life is higher than 20%, the first light glows, the last three blink in sequence, and so on

6. 48V Indicator1/2
Shows blue when 48V phantom power of IN1/2 is on

7. Bluetooth Indicator
Blinks when the Bluetooth is on and not connected. Glows when the Bluetooth is connected

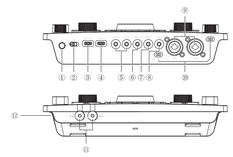
8. Auto Tune Switch Button
Short touch to turn on/off Auto Tune. When it is on, the light glows and the 7Caster SE3 will slightly fix the off-pitch notes in vocal performance of mic1/2

9. Scene Reverb Switch Button
Short touch to turn on Scene Reverb and switch Room/Stage/Hall/Host/MC/KTV scene reverb and the corresponding light glows. When switch to KTV, short touch again to turn off Scene Reverb. Long touch can also turn it off

10. Pitch Switch Button
Short touch to turn on Pitch and switch Male/Female/Baby/Monster/Electr/Robot effect and the corresponding light will glow. When switch to Robot, short touch again to turn off Pitch. Long touch can also turn it off

11. Electron Switch Button
Short touch to turn on Electron. Short touch again to switch A→Ab effect and the corresponding light will glow. When switch to Ab, short touch again to turn off Electron. Long touch can also turn it off

☞ Auto Tune, Electron and Pitch cannot be used simultaneously; Pitch and Scene Reverb cannot be used simultaneously



1. Power Button
Long press to power on/off

2. Bluetooth Switch
Turn on/off Bluetooth

3. USB-C Charging Port
Connect power bank/DC power to get charged

4. USB-C Port
Connect smartphone/computer to input/output audio signal

5. Output Port1/2
3.5mm TRRS port, connect smartphone/computer/tablet to input/output audio signal

6. Speaker Output Port
3.5mm TRS output port, connect speakers to output audio signal

7. AUX Input Port
3.5mm TRS/TRRS input port, connect smartphone/computer to input audio signal

8. Input Port2(3.5mm)
3.5mm TRS input port, connect microphone to input audio signal

9. Input Port1/2(XLR/6.35mm)
Connect XLR/6.35mm microphone or instrument to input audio signal. Support 48V phantom power

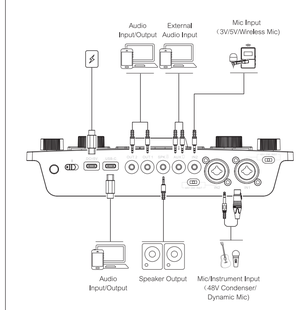
10. 48V/DM/INST Switch Button1/2
Adjust to switch between 48V phantom power mode (48V), dynamic mic mode (DM) and instrument mode (INST). Switch to the corresponding mode according to the input device of IN1/2 (XLR)

11. 3.5mm Monitor Port1/2
Plug in a TRS/TRRS headphone to monitor

12. Reset Hole
If there is an abnormal phenomenon such as a charging problem, insert a reset pin into the reset hole to reset

Connection and Usage

Connect devices to 7Caster SE3 referring to the following pictures



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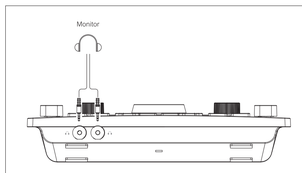


1. Connect Microphones
Connect XLR/6.35mm microphones to 7Caster SE3 via Input Port1/2(XLR/6.35mm) (Please switch on the 48V phantom power when using mics powered by it); connect 3.5mm microphones to 7Caster SE3 via Input Port2(3.5mm) and rotate the Mic Gain Control Knob 1/2 to adjust the gain of mic1/2

☞ 1. Please turn off the 48V phantom power before connecting/disconnecting microphones to avoid damage to the mics
2.When connecting mics not requiring 48V phantom power, please make sure to turn off 48V phantom power to avoid damage to the mics

2. Connect Instruments
Connect 6.35mm instruments to 7Caster SE3 via Input Port1/2(XLR/6.35mm) and rotate the Mic Gain Control Knob 1/2 to adjust the gain of the instrument input

3. External Audio Input
3.1 Wired Input
Connect 7Caster SE3 to smartphone/computer via Output Port1/2/AUX Input Port/USB-C Port to input audio signals and turn the AUX Input Volume Control Knob to adjust the volume or adjust the volume on the input devices (The volume of audio signals input via Output Port1/2 can only be adjusted on the input devices.)
3.2 Bluetooth Input
Connect 7Caster SE3 to smartphone via Bluetooth to input audio signals and turn the AUX Input Volume Control Knob to adjust the volume

☞ Pairing Method: Turn on Bluetooth of 7Caster SE3 and smartphone, search for '7RYMS_7Caster SE3' on the smartphone and click to connect. The Bluetooth input can be used after paired

4. Connect Monitoring Headphones
7Caster SE3 has dual 3.5mm headphone monitor ports. Connect TRS/TRRS headphone to monitor and turn the Monitor Volume Control Knob to adjust monitor volume

5. Connect Speakers
Connect speakers to 7Caster SE3 via 3.5mm Speaker Output Port and turn the Output Gain Control Knob to adjust the output volume

6. Connect Smartphone/Computer
Connect 7Caster SE3 to smartphone/computer via USB-C Port/Output Port1/2 and turn the Output Gain Control Knob to adjust the output volume

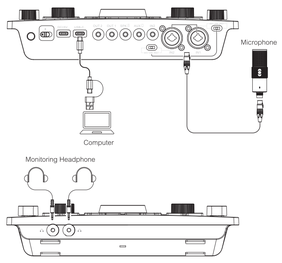
DAW Software Setting:
When Recording with Digital Audio Workshop, please follow the instructions below to set up (Take Cubase and Pro Tools as examples)

Cubase
1. Please download and install the driver ASIO4ALL in advance
2. Connect 7Caster SE3 to the computer, open Cubase, and create a new project
3. Click 'Devices - Device Setup'. Select 'VST Audio System - ASIO4ALL v2'
4. Click 'ASIO4ALL v2 - Control Panel' to activate the '7Caster SE3' input/output port (click to lighten the power and play icons)

ProTools
1. Please download and install the driver ASIO4ALL in advance
2. Connect 7Caster SE3 to the computer, open Pro Tools, and create a new project
3. Click 'Setup- Playback Engine', and choose 'ASIO4ALL v2'
4. Click 'Setup - Hardware - ASIO4ALL v2 -Launch Setup App' to activate the '7Caster SE3' input/output port (click to lighten the power and play icons)

☞ If '7Caster SE3' cannot be found in the software, please make sure that 7Caster SE3 is connected to the computer and open the sound settings in the computer to see if 7Caster SE3 has been set as the default output device of the computer

Usage Scenes:
1. Podcast on Computer

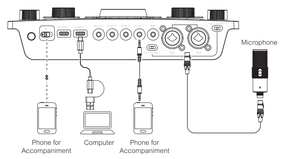


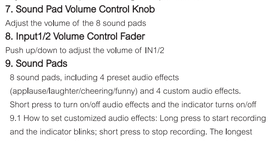
1.1 Connect microphone, monitoring headphones to 7Caster SE3 according to the diagram above
1.2 Connect computer and 7Caster SE3 via 2-in-1 audio cable. Computer will automatically recognize 7Caster SE3 and match the driver

1.3 Click "Windows Settings - System - Sound", set "7RYMS_7Caster SE3" as the default input/output device of the computer
1.4 Open your chosen recording application and check if "7RYMS_7Caster SE3" is the default audio/playback device
1.5 Record your podcast audio
1.6 Export and upload your audio to podcast platform

☞ Up to three mics can be connected to 7Caster SE3 at the same time, including one 3.5mm mic and two XLR/6.35mm mics. Please connect mics according to your need

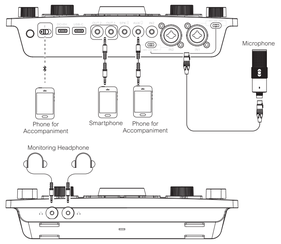
2. Live Streaming on Computer





2.1 Connect accompaniment smartphone, microphone, monitoring headphones to 7Caster SE3 according to the diagram above
2.2 Connect computer and 7Caster SE3 via 2-in-1 audio cable. Computer will automatically recognize 7Caster SE3 and match the driver
2.3 Click "Windows Settings - System - Sound", set "7RYMS_7Caster SE3" as the default input/output device of the computer
2.4 Open the live streaming software on computer and check if "7RYMS_7Caster SE3" is the default audio/playback device

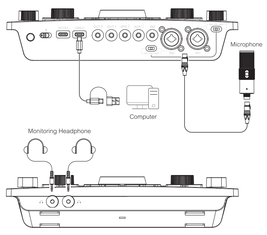
3. Live Streaming on Smartphone



3.1 Connect live streaming smartphone, accompaniment smartphone, microphone, monitoring headphones to 7Caster SE3 according to the diagram above
3.2 Turn on 7Caster SE3 and select the sound effects needed
3.3 Open a live streaming app on the smartphone and start streaming

☞ 1. 7Caster SE3 supports live streaming on two different platforms at the same time, please connect devices according to your need
2. 7Caster SE3 supports live streaming on smartphone and computer at the same time. Please connect devices according to the diagrams of "Live Streaming on Computer"

4. Gaming on Computer



4.1 Connect microphone, monitoring headphones to 7Caster SE3 according to the diagram above
4.2 Connect computer and 7Caster SE3 via 2-in-1 audio cable. Computer will automatically recognize 7Caster SE3 and match the driver
4.3 Click "Windows Settings - System - Sound", set "7RYMS_7Caster SE3" as the default input/output device of the computer
4.4 Open your chosen game live application and check if "7RYMS_7Caster SE3" is the default audio/playback device
4.5 Start your game live streaming

Specifications

Interface

Input Port	2 x XLR/6.35mm, 1 x 3.5mm
AUX Port	1 x 3.5mm
Digital Port	1 x USB-C
OUT Port	2 x 3.5mm
SPK Output	1 x 3.5mm
Headphone Output	2 x 3.5mm

Audio Resolution

Sample Rate	48kHz
Bit Depth	24bit

Microphone Input

Dynamic Range	100dB(A-weighted, as per IEC651)
Frequency Responce	20Hz ~ 20kHz, ±0.1dB
THD+N	0.003%, 1kHz, -3dBFS, 22Hz/22kHz BPF
Equivalent Noise	-130dBu(A-weighted, as per IEC651)
Input Impedance	5kΩ
Maximum Input Level	-4dBu
Gain Range	6dB ~ 60dB

Instrument Input

Dynamic Range	100dB(A-weighted, as per IEC651)
Frequency Responce	20Hz ~ 20kHz, ±0.1dB
THD+N	0.003%, 1kHz, -3dBFS, 22Hz/22kHz BPF
Equivalent Noise	-130dBu(A-weighted, as per IEC651)
Input Impedance	50kΩ
Maximum Input Level	4dBu
Gain Range	0dB ~ 30dB

SPK Output

Dynamic Range	100dB(A-weighted,as per IEC651)
Frequency Responce	20Hz ~ 20kHz, ±1dB
Output Impedance	600Ω
Maximum Output Level	4dBu

Headphone Output

Dynamic Range	100dB(A-weighted, as per IEC651)
Frequency Responce	20Hz ~ 20kHz, ±1dB
Output Impedance	6Ω
Maximum Output Level	4dBu

Others

Battery	Lithium Battery 2900mAh 3.7V
Standby Time	With 48V Phantom Power on: 6Hours With 48V Phantom Power off: 10Hours
Charging	USB-C 5V2A
Phantom Power Output	48V±2V
Net Weight	670g
Dimension	239 x158 x 51mm
Working Temperature	0℃ ~ 50℃
Storage Temperature	-20℃ ~ 60℃

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

The 7RYMS LOGO is a trademark which is registered and owned by Errun Electronic Technology Co., Ltd

背面

尺寸：102x135mm， 书纸100克， 首页为封面，风琴折页，不过膜