COMICA
PROFESSIONAL AUDIO EQUIPMENT

ADCaster C1
Versatile Mini Integrated Audio Interface
User Manual

Interface

Thanks for purchasing COMICA versatile mini integrated audio interface ADCaster C1

Main Features

- 48kHz/24bit Record, Broadcasting-level Sound Quality
- Mini and Lightweight, External Dual XLR Interfaces
- Support 3.5mm/XLR Multi Interfaces for 5V/48V Mic Input
- Revolutionary CatMix™ Denoise Algorithm, Two-stage Denoise Mode
- Internal Bluetooth 5.3 Chipset, Advanced Bluetooth Connection
- Support Individual Mic Preamps, Monitor Volume and Output Gain Control
- Adjustable 3 EQ Modes, 3 Reverb Modes and 5 Voice Effects
- 6 Sound Pads to Create Live and Podcast Atmosphere
- Support One-click Loopback/Duck/Mute and Monitoring
- Built-in Rechargeable Lithium Battery, Operating Time Up to 7 Hours
- Touch-sensitive Panel Design, Flexible and Visible Operation

Notice

⚠ When working with other products which have high sensitivity, it is recommended to adjust the gain of ADCaster C1 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 mics not requiring 48V phantom power, please make sure to 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 having water or other liquids spilled on it

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

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

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Packing List

Main Part:
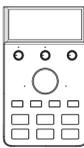
ADCaster C1

Accessories:

2 in 1 Audio Cable | USB C-XLR/S Audio Cable | 3.5mm TRRS-TRRS Audio Cable ×2

Charging Cable | Sound Pad Template ×2 | User Manual | Warranty Card

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Components and Instruction
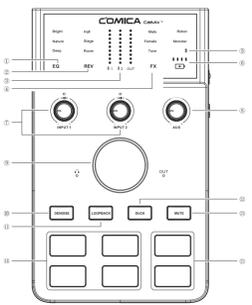
1. EQ Switch Button
Short touch to switch Bright/Nature/Deep three EQ modes, the corresponding indicator shows blue; Long press to turn off EQ modes, and the corresponding indicator turns off

2. REV Switch Button
Short touch to switch Hall/Stage/Room three REV effects, the corresponding indicator shows blue; Long press to turn off REV effects, and the corresponding indicator turns off

3. Audio Dynamic Indicators
Show the audio dynamic of mic 1/2 input volume and interface output volume. More glowing indicators means higher volume (1-6 indicators show blue and 7-9 indicators show orange)

4. FX Switch Button
Short touch to switch Male/Female/Tune/Robot/Monster five FX effects, the corresponding indicator shows blue; Long press to turn off FX effects, and the corresponding indicator turns off

5. Bluetooth Indicator
The indicator is off when Bluetooth is off; the indicator blinks blue when Bluetooth is on and unpaired; the indicator shows blue when paired

6. Power Status Indicators
There are four power indicator lights, one of which represents 25% of the power. The first indicator blinks blue when battery is low; the indicators blinks blue one by one while charging

7. Mic Gain Control Knob/48V Phantom Power Button
Turn to adjust gain of mic1/2; press to turn on/off the 48V phantom power of XLR mic1/2. The indicator shows blue when the power is on

⚠ 1. Mic1 means the mics connected to IN1 and XLR1; Mic2 means the mics connected to IN2 and XLR2
2. When connecting/disconnecting microphones to ADCaster C1, please set the gain of it to the minimum before turning on/off 48V phantom power to avoid damaging the devices
3. When connecting mics not requiring 48V phantom power, please make sure to turn off 48V phantom power to avoid damaging the mics

8. AUX Input Volume Control Knob
Turn to adjust volume of background music input with Bluetooth and AUX connection

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9. Monitor/Output Volume Switch&Control Knob
Press to switch monitor/output volume control, the corresponding indicator shows blue; turn to adjust monitor/output volume

10. Denoise: Short press to turn on/switch/turn off denoise. The indicator shows white when the first-stage denoise is on, and shows orange when the second-stage denoise is on. Denoise automatically filters background noise, and ensures the clearness of audio recording

11. Loopback: Short press to turn on/off Loopback; the indicator turns on/off when Loopback is on/off. Turning on Loopback will allow the ADCaster C1 to record the system audio from the USB C input. If turned off, you can still hear the system audio from monitoring, but it will not be recorded

12. Duck: Short press to turn on/off Duck; the indicator turns on/off when Duck is on/off. Duck mode can be activated to lower the volume of background music and turn up the hosts' voice

13. Mute: Short press to turn on/off Mute; the indicator turns on/off when Mute is on/off

14. Audio Effect Button
Short press to turn on/off audio effects; the corresponding indicator turns on/off when audio effect is on/off; ADCaster C1 has 4 preset audio effects including Applause, Laughter, Cheering, Funny

15. Custom Audio Effect Button
Users can record songs, music, beats via mics, external audio input devices, Bluetooth devices, and save it to ADCaster C1
1. Recording: with ADCaster C1 on, connect it to mics/external audio input devices/Bluetooth devices; Long press the custom button until the indicator shows cyan and enters recording mode; The longest recording time is 10 seconds; Short press to stop recording
2. Delete recording: Repeat the recording steps and the new recording will replace the old one
3. Play customized audio: Short press the custom button with existing customized audio to play/stop audio; the indicator turns on/off when audio playing is on/off

⚠ By default, there is no customized audio effect

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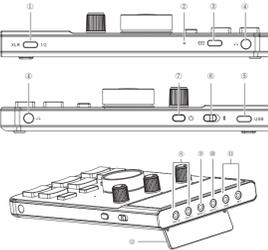
1. **XLR1/2:** Connect XLR mics to get mic input via the USB C-XLR(S) audio cable
2. **Reset Hole:** If the device cannot be charged or is unable to work, insert the reset pin into the reset hole to reset it
3. **USB-C Charging Port:** Plug in the USB-C charging cable to connect ADCaster C1 and power bank/DC power to charge
4. **3.5mm Monitoring Port:** Plug in a 3.5mm TRS/TRRS headphone to monitor
5. **USB-C Port:** Connect phones/computers to input/output audio signals
6. **Bluetooth Switch:** Move to turn on/off Bluetooth
7. **Power Button:** Long press to turn on/off ADCaster C1
8. **OUT1/2:** 3.5mm TRRS output port to connect phones, computers and tablets for audio signal output
9. **SPK:** 3.5mm TRS output port to connect speakers for audio signal output
10. **AUX:** 3.5mm TRS input port to connect computers, phones for external audio signal input
11. **IN1/2:** 3.5mm TRS input port to connect mics for audio signal input
12. **Foldable Stand**

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Installation and Usage

Devices Connection:
Users can connect the corresponding devices to ADCaster C1 referring to the following pictures

Smartphone/Computer Output | Smartphone/Computer for Music Play | Mic Input (5V/5/wireless mics) | Condenser Mic (NO REQUIRED 48V Phantom Power)

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XLR Mic (Support 48V Phantom Power)

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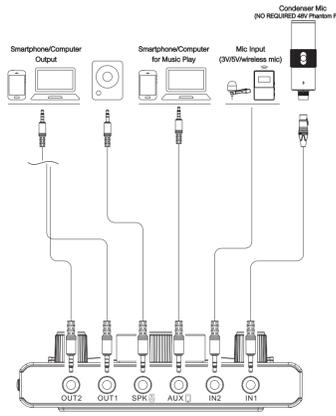
1. Connect Microphones
Users can connect 3.5mm microphones to ADCaster C1 via the input ports IN1/2; Connect XLR microphones to ADCaster C1 via the input ports XLR1/2

⚠ 1. Please turn off the 48V phantom power before connect/disconnect XLR mics to avoid damaging the device
2. Please turn on the 48V phantom power when using mics powered by it; make sure to turn off the 48V phantom power when using mics not powered by it

2. External Audio Input
2.1 AUX input
Users can connect smartphones/computers to ADCaster C1 via the AUX port for audio signals input, adjust the volume level through the AUX input volume control knob
2.2 Bluetooth input
Users can connect smartphones/computers to ADCaster C1 via Bluetooth for audio signals input, adjust the volume level through the AUX input volume control knob

⚠ **Bluetooth Connection**
1. Turn on the ADCaster C1 and move the Bluetooth switch to turn on Bluetooth. The Bluetooth indicator starts to flash
2. Search for the device in the Bluetooth menu of the smartphone, find the Bluetooth device of "Comica_ADCaster C1"
3. Please connect the smartphone to ADCaster C1 through Bluetooth and set up the music player on the smartphone in advance
4. Open the live broadcast software on the smartphone/computer for live streaming

Bluetooth connection is limited by distance. Please do not place the smartphone too far away from the ADCaster C1 to avoid interference

3. Connect Monitoring Headphones
Users can connect the TRS/TRRS headphones to the 3.5mm monitoring port1/2 of ADCaster C1, adjust the monitoring volume level through the monitor volume control knob

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Smartphone/Computer Output

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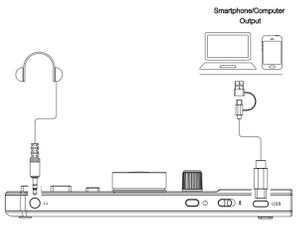
4. Connect Monitoring Speakers
Users can connect monitoring speakers to the 3.5mm SPK output port of ADCaster C1 to output audio signals

5. Connect Smartphones/Computers
Users can connect smartphones/computers to the USB-C or OUT1/2 output ports of ADCaster C1 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
1. Please download and install the driver ASIO4ALL in advance
2. Connect ADCaster C1 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 'ADCaster C1' input/output port (click to lighten the power and play icons)

ProTools
1. Please download and install the driver ASIO4ALL in advance
2. Connect ADCaster C1 to the computer, open ProTools, 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 'ADCaster C1' input/output port (click to lighten the power and play icons)

⚠ If 'ADCaster C1' cannot be found in the software, please make sure that ADCaster C1 is connected to the computer and open the sound settings in the computer to see if ADCaster C1 has been set as the default output device of the computer

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Specification

Interface	Input Interface	1 x USB-C to 2 x XLR, 2 x 3.5mm
	AUX Input Interface	1 x 3.5mm, 1 x Bluetooth
	Digital Interface	1 x USB-C
	OUT Interface	2 x 3.5mm
	SPK Output Interface	1 x 3.5mm
	Headphone Output Interface	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, -3dBFS, 22Hz-22kHz BPF
	Equivalent Noise	-129dB(u)(A-weighted,as per IEC651)
	Input Impedance	5kΩ
	Microphone Input Maximum Level	-8dBu
	Preamp Gain Range	10dB ~ 60dB
SPK Output	Dynamic Range	100dB(A-weighted,as per IEC651)
	Frequency Response	20Hz ~ 20kHz, ±1dB
	Output Impedance	600Ω
	Microphone Output Maximum Level	4dBu
Headphone Output	Dynamic Range	100dB(A-weighted,as per IEC651)
	Frequency Response	20Hz ~ 20kHz, ±1dB
	Output Impedance	8Ω
	Microphone Output Maximum Level	4dBu
Others	Battery	Polymer Lithium Battery 1800mVAh 3.7V
	Operating Time	With Phantom Power On:4 Hours; With Phantom Power Off:7 Hours
	Charging Specification	USB-C 5V2A
	Phantom Power Output	48V
	Net Weight	300g
	Dimension	31 x 110 x 184mm
	Working Temperature	0℃ ~ 50℃
	Storage Temperature	-20℃ ~ 60℃

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Facebook: Comica Audio Tech Global
Instagram: Comica Audio
YouTube: Comica Audio

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