

FRANKEN FU2

User Manual



Introduction

Record professional audio and make music with **Franken FU2** audio interface. A comprehensive recording partner for home studio, capturing crystal clear vocals and tracking musical instruments with easy-to-use dual input.

Compatible with macOS and Windows, make your songs and monitor your recordings with active speakers or headphones in real-time with zero latency.

For pristine sound in every environment - **Franken FU2**

Operation Interface



-1-

- ① Combo XLR / 1/4" connectors.
- ② +48V LED indicates that +48V phantom power is engaged.
- ③ +48V - phantom power switch for microphone input.
- ④ Instrument Input LED.
- ⑤ Instrument / Line level switch.
- ⑥ Direct Monitor switch input signals with zero latency.
- ⑦ Direct Monitor LED.
- ⑧ Power LED.
- ⑨ Gain 1 - adjust the input gain level for the microphone signal.
- ⑩ Instrument / Line - 1/4" connectors.
- ⑪ Gain 2 - adjust the input gain level for the instrument/line signal.
- ⑫ Headphone - 1/4" TRS output jack.
- ⑬ Volume knob adjusts the output level and headphones output.
- ⑭ Line Output Left and Right 1/4".
- ⑮ The Anti-Theft Lock Hole.
- ⑯ USB Type-C connector With Bus Powered

-2-

Specifications

Performance Specifications

Sampling precision	16Bit & 24Bit ADC and DAC
Supported sample rates	DAC: 44.1 kHz, 48 kHz, 96kHz, 192kHz ADC: 44.1 kHz, 48 kHz, 96kHz, 192kHz
Microphone Input	
Dynamic Range	95 dB (A-weighted)
Frequency Response	20 Hz to 20 kHz ±1 dB
THD+N	<0.01% (1kHz@0dBu)
Noise EIN	-110dBu (A-weighted)
Maximum Input Level	+8 dBu at minimum gain
Gain Range	50dB
Input impedance	3k Ohms
Line Input	
Dynamic Range	95dB (A-weighted)
Frequency Response	20 Hz to 20 kHz ±1 dB
THD+N	<0.01% (1kHz@0dBu)
Maximum Input Level	+17 dBu at minimum gain
Gain Range	50 dB
Input impedance	20k Ohms
Instrument Input	
Dynamic Range	95dB (A-weighted)
Frequency Response	20 Hz to 20 kHz ±1 dB
THD+N	<0.03%(1kHz@0dBu)

-3-

Maximum Input Level	+10dBu at minimum gain
Gain Range	45 dB
Input impedance	1M Ohms
LINE OUTPUTS	
Dynamic Range	95 dB (A-weighted)
Maximum Output Level	+15.5 dBu balanced outputs
THD+N	<0.01%
Output impedance	221 Ohms
Headphone Output	
Dynamic Range	90 dB (A-weighted)
Maximum Output Level	+12 dBu
THD+N	<0.01%
Headphone impedance	30-300 Ohm

Physical and Electrical Characteristics

Analogue Input 1	
Connector	Balanced, via female 3-pin XLR on front panel or TRS 1/4" (6.35 mm)
Phantom power	48V phantom power switch

-4-

Analogue Input 2	
Connector	1/4" (6.35 mm) jack socket on front panel INST mode: unbalanced, 2-pole (TS) LINE mode: balanced (TRS)
Line/Instrument switching	Front panel switch
Analogue Outputs	
Main outputs	Balanced, 2 x 1/4" TRS jacks on rear panel
Stereo headphone output	1/4" TRS jack on front panel
Output level control (main and headphone)	On front panel
Direct Monitoring	Front panel switch; allows zero-latency monitoring of inputs
Other I/O	
USB	USB Type C connector
Front Panel Indicators	
POWER	Red LED
SIG	Green LED
CLIP	Red LED (light means audio signal in the channel is too loud)
Phantom power	Red LED
Weight and Dimensions	
L x W x H	140 mm x 109 mm x 38 mm
Weight	337g

-5-



-6-

NOTE

1. The microphone input port uses a standard 3-pin XLR socket, which is compatible with most types of microphones.
2. If the microphone and the instrument input are used at the same time, the two inputs will be added in mono.
3. ⚠ This device only can work with Mac OS, Windows 10 and above operating systems.

Fault Detect

Not working after connecting?

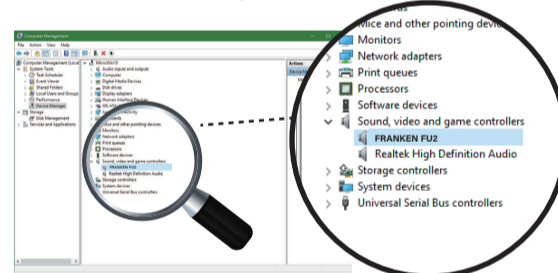
1. Try replacing the USB-C cable and retest the connection ensuring a firm connection is present.
2. Check if your operating system (Mac OSX or Windows) requires additional drivers. For use with most recording software, You could try installing driver ASIO4ALL.

-7-

Successfully connect the device to your computer by using a USB data cable.

(1) Windows

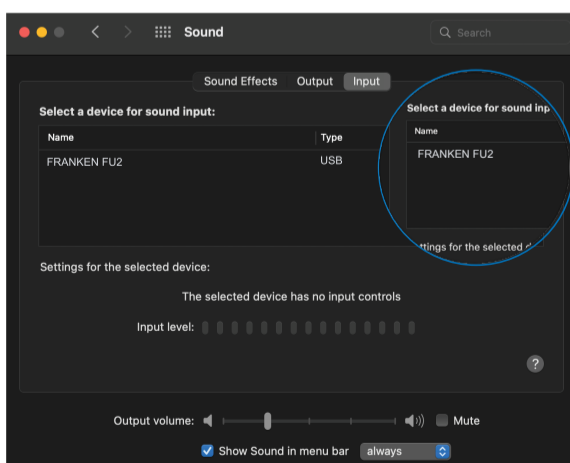
- Step 1: Connect this product with computer via USB cable.
- Step 2: Open device manager;
- Step 3: The selected "Sound, video and game controllers" shows the device name "FRANKEN FU2" of the product.



-8-

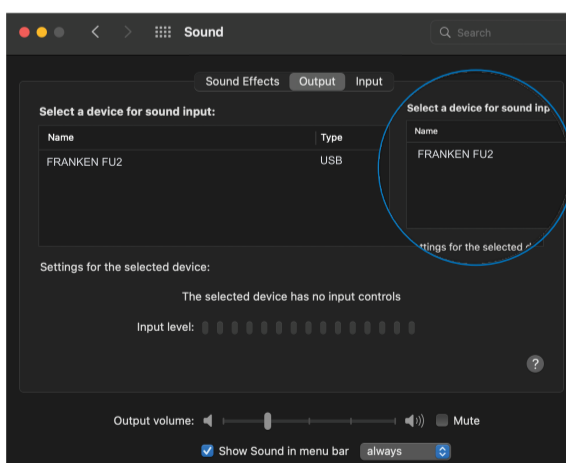
(2) Mac OS

- Step 1: Open the settings in the Mac OS System Preferences;
- Step 2: Find the sound;
- Step 3: Select the device "FRANKEN FU2" for sound input.



-9-

When you need to monitor through this product, open the settings in the Mac OS System Preferences, find the sound, and then select the device "FRANKEN FU2" for sound output.



-10-