Specifications

These specifications allow you to compare your Scarlett 2i2 with other devices and make sure they'll work together. If you're not familiar with these specifications, don't worry you don't need to know this information to use your Scarlett 2i2 with most devices

Performance Specifications

Where possible we measure all performance figures following AES17.

Recording	
Supported Sample Rates	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz
Bit Depth	24-bit

Microphone Inputs	
Frequency Response	20Hz - 20kHz ± 0.06dB
Dynamic Range (A-weighted)	116dB
THD+N	-100dB (-1dBFS @ 8dB Gain)
Noise EIN (A-Weighted)	-127dBu
Maximum Input Level (at minimum gain)	16dBu
Gain Range	69dB
Input Impedance	3kΩ

Line Inputs	
Frequency Response	20Hz - 20kHz ± 0.05dB
Dynamic Range (A-weighted)	115.5dB
THD+N	-100dB (-1dBFS @ 8dB Gain)
Maximum Input Level (at minimum gain)	22dBu
Gain Range	69dB
Input Impedance	60kΩ

Instrument Inputs	
Frequency Response	20Hz - 20kHz ± 0.15dB
Dynamic Range (A-weighted)	113dB
THD+N	-80dB (-1dBFS @ 8dB Gain)
Maximum Input Level (at minimum gain)	12dBu
Gain Range	62dB
Input Impedance	1MΩ

Line Outputs 1 & 2 (balanced)	
Frequency Response	20Hz - 20kHz ± 0.02dB
Dynamic Range (A-weighted)	120dB
THD+N	-109dB

Line Outputs 1 & 2 (balanced)	
Maximum Output Level	16dBu
Output impedance	100Ω

Headphone Outputs	
Frequency Response	20Hz - 20kHz ± 0.1dB @ 33Ω / 300Ω
Dynamic Range (A-weighted)	112dB @ 33Ω
	115dB @ 300Ω
Maximum Output Level	2.5dBu into 33Ω
	10dBu into 300Ω
Maximum Output Power	32mW into 33Ω
	22mW into 300Ω
THD+N	-99dB @ 33Ω (Minimum)
	-108dB @ 300Ω (Minimum)
Output impedance	50Ω

Physical and Electrical Characteristics

Analogue Inputs	
Connectors	Two rear panel Neutrik® XLR connectors
	Two front panel Neutrik® 6.35mm (1/4”) jack sockets
Mic/Line switching	Automatic
	Connecting a 6.35mm jack to the front panel disables microphone input.
Phantom Power (48v)	Front panel **48V** (phantom power) button or switch in software
Line/Instrument switching	Front panel **Inst** button or switch in software
Auto Gain	Front panel **Auto** button or switch in software
Clip Safe	Front panel **Safe** button.
AIR function	Front panel **Air** button or switch in software

Analogue Outputs	
Balanced Outputs	Two rear-panel Neutrik®6.35mm (1.4") TRS jack sockets
Headphone Output	Front panel stereo 6.35mm (1.4") TRS jack socket
Main Output Level Control	Front panel analogue control with pre-fade output level meter
Headphones Level Control	Front panel analogue control

Other I/O	
USB	One USB 2.0 Type-C connector for data and power - ⇤
	900mA
	One USB Type-C power connector - **5V DC**
	4.5W

Front Panel Indicators	
Channel Selection	White/Green LEDs for channels **1** and **2**
Select button	White/Green **Select** LED
48V	White/Green **48V** LED (depending on the selected channel)
Inst	White/Green **Inst** LED (depending on the selected channel)
Auto	White **Auto** LED to initiate Auto Gain
Clip Safe	White/Green **Safe** LED (depending on the selected channel)
Air Mode	White/Green **Air** LED (depending on the selected channel)
Output Level Meter	Three-colour LED ring around **Output** control.
USB	Green USB ⇤ LED
Direct Monitor	Three-state Direct LED

Weight and Dimensions	
Weight	595g (1.31lbs)
Height	47.5mm (1.87")
Width	180mm (7.09")
Depth	117mm (4.60")

Environmental	
Operating Temperature	40°C / 104°F Maximum ambient operating temperature

Channel Order

Input Channels

Input	Channel
1	Input 1 (Mic/Line/Inst)
2	Input 2 (Mic/Line/Inst)
3	Loopback 1
4	Loopback 2

Output Channels

Output	Channel
1	Output Left (Headphones Left)
2	Output Right (Headphones Right)

Note

Outputs 1 and 2 share the same feed as the Headphone Output. Whatever signal is present at the line outputs you will also hear from the headphone output.