

Fender®

QUANTUM LT 16

16x8, 24 bit / 192 kHz USB-C Audio Interface



EIGHT MAX-HD MIC PREAMPS

With eight newly designed mic preamps offering +75 dB of gain, the LT 16 provides pristine capture for large projects — from full bands to detailed multi-mic setups.

FOURTEEN TRS ANALOG LINE INPUTS

Easily integrate outboard gear like external mic preamps, synthesizers, mixers, or other line-level devices, expanding your creative possibilities without complicating your workflow.

STANDALONE “MIC PRE MODE”

Use the LT 16 as an 8-channel standalone mic preamp, making it a powerful addition to hybrid recording rigs and expanding your studio’s input options.

DC-COUPLED LINE OUTPUTS

Connect to modular and analog synth gear with DC-coupled outputs that can send control voltage directly from your DAW, bridging digital and analog creativity.

5-PIN MIDI I/O

Easily integrate keyboards, drum machines, and hardware sequencers with traditional MIDI devices, no external MIDI interface required.

FENDER STUDIO PRO INCLUDED

A perpetual license for Fender Studio Pro (\$199.99 value) comes bundled, giving you a professional DAW and exclusive Mustang and Rumble plugins right out of the box.

KEY FEATURES

- 16x8 USB audio interface with custom low-latency drivers
- Eight MAX-HD microphone preamps with 75 dB gain range
- A total of 14 line inputs for easy connection mic pres, synths, mixers, and other line-level devices:
- 6 front panel XLR/TRS (combo jacks 3–8)
- 8 rear panel TRS inputs with switchable +4 dBu / -10 dBV operation
- Dual Fender-designed instrument inputs for guitars and basses
- Balanced TRS outputs and powerful headphone monitoring
- Integrated line inputs for connecting external gear

- Loopback audio for streaming and flexible mix routing
- Standalone “Mixer Mode” for DAW-free mixing
- Standalone “Mic Pre Mode” for use as an 8-channel mic preamp
- DC-coupled line outputs for CV integration with modular and analog synths
- 5-pin MIDI I/O for hardware connectivity
- Perpetual license for Fender Studio Pro (\$199.99 value) included
- Built-in My Fender access for registration, setup, and support

TECHNICAL SPECIFICATIONS

AD / DA CONVERSION

Sample Rates 44.1, 48, 88.2, 96, 176.4, 192 kHz

Bit Depth 24-bit

INSTRUMENT INPUT

Connector Type ¼-inch Female

Maximum Level +22dBu

Frequency Response 20 Hz to 20 kHz

Dynamic Range 114 dB

THD+ N 0.001%

Input Impedance 1M Ohms

MICROPHONE INPUTS

Connector Type XLR/TRS Combo

Maximum Level +18 dBu

Input Impedance 1600 Ohms

Gain Range 0 to +75 dB

Frequency Response 20 Hz to 20 kHz

Dynamic Range 115 dB

THD+ N 0.001%

EIN -128.6 dBu

Phantom Power 48V

LINE INPUTS

Connector Type (8) Combo XLR/TRS, (8) TRS

Max input level +18 dBu

Impedance 10K Ohms

Frequency Response 20 Hz to 20 kHz

Dynamic Range 115 dB

THD+ N 0.001%

Gain Range 0 to +26 dB

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MAIN OUTPUTS

Connector Type	¼-inch Female, TRS
Max Output Level	+18 dBu (Balanced)
Frequency Response	20 Hz to 20 kHz
Dynamic Range	115 dB
THD+ N	0.001%
Trim Range	-∞ dB to 0 dB

LINE OUTPUTS

Connector Type	¼-inch Female, TRS (DC-coupled)
Maximum Output Level	+18 dBu (Balanced)
Frequency Response	20 Hz to 20 kHz
Dynamic Range	115 dB
THD+ N	0.001%
Trim Range	-∞ dB to 0 dB

HEADPHONE OUTPUTS

Connector Type	¼-inch Female, TRS
Maximum Power (56Ω load)	142 mW/channel
Frequency Response	20 Hz to 20 kHz
Dynamic Range	114 dB
THD+ N	0.001%
Trim Range	-∞ dB to 0 dB

MIDI I/O

Connector Type	5-pin DIN
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POWER SUPPLY

	12VDC, 2.0A, 100-240V, 50-60Hz
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PRODUCT DIMENSIONS

Length	5" (127mm)
Width	19" (483mm)
Height	1.75" (44.45mm)
Weight	4.8 lbs (2.2 kg)