

# MBOX STUDIO

21 x 22 audio production system

Bring professional recording power to your personal studio. MBOX® Studio delivers exceptional sound clarity, real-time effects, low-latency tracking, loopback mixing, and 21 x 22 simultaneous I/O in the most comprehensive desktop interface ever made. Powered by Pro Tools® Studio (or your music creation application of choice), you get everything you need to create, record, edit, and mix high-quality music and audio, plus podcast and stream.

## EVERYTHING YOU NEED TO MAKE MUSIC

Plug in and play right away with Pro Tools Studio and MBOX Ignition Pack included. Whether making beats and parts with virtual instruments or connecting real ones to your computer through MBOX Studio for recording, you have a massive collection of plugins, instruments, samples, loops, and sounds at your fingertips to explore, get inspired, and keep you in your creative zone.

## SOUND INCREDIBLE

MBOX Studio is designed with top-quality components, circuit design, and audio converters, enabling you to capture and mix music with the utmost clarity and detail. Variable Z opens up a whole range of tonal options for mics. And with built-in real-time EQ, delay, and reverb, plus independent cue mixing, you can deliver your best performances with low-latency tracking.

## A GUITAR PLAYER'S DREAM

With Variable Z on instrument inputs, you can change up the tone of your guitar when recording direct to complement your effects chain. Play through the world's greatest amps with Eleven® MK II, bx\_rockrack, tons of stompbox effects, and more included. Integrate your own outboard effects. Reamplify tracks. And stay pitch-perfect with the built-in tuner.

## ENDLESS CREATIVE POSSIBILITIES

MBOX Studio is more than the simple audio interface of years past; it expands and accelerates your workflow. Map its buttons to access your favorite functions fast. Work with audio, MIDI, notation, and 4K video. Jam with your iPhone. Record voiceovers and design sound for picture. Podcast and live stream with Loopback mixing. Even use it as a standalone monitor controller.



## KEY FEATURES

- › Capture and mix sound in pristine quality with premium A/D and D/A conversion
- › Get all the ins and outs you need to connect your gear, including
  - 4 mic preamps/line inputs with Variable Z (impedance)
  - 2 Variable Z instrument inputs
  - 4 additional line inputs
  - 2 impedance-switching effects loops
  - 2-way simultaneous stereo Bluetooth I/O
  - Optical I/O (8-channel ADAT or 2-channel S/PDIF)
  - Coaxial S/PDIF I/O
  - MIDI I/O
  - 2 stereo monitor outputs
  - 1 Hi-Z reamplification output with ground lift
  - 2 headphone outputs with individual cue mixes
  - 2 footswitch/expression pedal inputs
- › Optimize mic and instrument tone with Variable Z impedance switching
- › Reamplify guitar tracks and more to change up the tone
- › Produce podcasts and live streams with Loopback capabilities
- › Enable monitor switching and independent cue mixes with integrated talkback
- › Perform actions fast with four assignable, dual-function, user action buttons
- › Create, record, edit, and mix music and audio with Pro Tools Studio
- › Compose music using notation with Sibelius® Artist
- › Find inspiration with a massive collection of instruments, plugins, and loops
- › Use MBOX Studio with Pro Tools, Logic Pro, Cubase, and other popular DAWs

FOR MORE INFORMATION, VISIT  
[avid.com/mbox-studio](https://www.avid.com/mbox-studio)





# MBOX Studio—21 x 22 audio production system



## HARDWARE SPECIFICATIONS

### GENERAL

Simultaneous I/O	21 x 22
Audio resolution	24-bit, 192 kHz @ 10 x 10 I/O; 24-bit, 96 kHz @ 21 x 22 I/O
Built-in DSP	Avid FX—EQ, Delay, Reverb, Tuner
Mic preamps	4
Phantom power	+48V switch
Form factor	Desktop interface
Dimensions (H x W x D)	4.1 x 11.3 x 8.9 inches (105.2 x 288 x 225.3 mm)
Weight	6.1 lbs (2.8 kg)
Computer connectivity	USB-C 2.0 (includes USB-A adapter)

### INPUTS AND OUTPUTS

Analog inputs	<ul style="list-style-type: none"> <li>› 2 combo mic/line/instrument inputs with Variable Z (impedance) on the front panel (inputs 1–2)</li> <li>› 2 combo mic/line inputs with Variable Z on the back panel (inputs 3–4)</li> <li>› 4 line inputs (inputs 7–8 shared with FX Returns)</li> </ul>
Analog outputs	<ul style="list-style-type: none"> <li>› 2 stereo monitor outputs (Main and Alt)</li> <li>› 2 headphone outputs</li> <li>› 2 Hi-Z switchable FX Loops Sends</li> <li>› 1 Hi-Z output to amp (mirrors FX Send 2)</li> </ul>
Digital inputs	<ul style="list-style-type: none"> <li>› 1 Optical input (8 channels of ADAT or 2 channels S/PDIF)</li> <li>› 1 coaxial S/PDIF input</li> </ul>
Digital outputs	<ul style="list-style-type: none"> <li>› 1 Optical output (8 channels of ADAT or 2 channels S/PDIF)</li> <li>› 1 coaxial S/PDIF output</li> </ul>
Other I/O	<ul style="list-style-type: none"> <li>› MIDI I/O</li> <li>› 2 footswitch/expression pedal inputs</li> </ul>

### A/D CONVERSION

Mic preamps	<ul style="list-style-type: none"> <li>› Max Input Level: 14 dBu</li> <li>› Gain Range: 60 dB</li> <li>› Dynamic Range: 112 dB</li> <li>› THD+N: 0.001%</li> <li>› EIN: -129 dB (A-weighted)</li> <li>› Frequency Response: 20 Hz–20 kHz, ±0.125 dB</li> </ul>
Line inputs	<ul style="list-style-type: none"> <li>› Max Input Level: 14 dBu</li> <li>› Gain Range: 60 dB</li> <li>› Dynamic Range: 112 dB</li> <li>› THD+N: 0.001%</li> <li>› Frequency Response: 20 Hz–20 kHz, ±0.125 dB</li> </ul>
Instrument inputs	<ul style="list-style-type: none"> <li>› Max Input Level: 14 dBu</li> <li>› Gain Range: 60 dB</li> <li>› Dynamic Range: 108 dB</li> <li>› THD+N: 0.004%</li> <li>› Frequency Response: 20 Hz–20 kHz, ±0.125 dB</li> </ul>

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## D/A CONVERSION

Line outputs	<ul style="list-style-type: none"><li>› Max Output: 19 dBu</li><li>› Dynamic Range: 110 dB</li><li>› THD+N: 0.002%</li><li>› Frequency Response: 20 Hz–20 kHz, <math>\pm 0.125</math> dB</li></ul>
Monitor outputs	<ul style="list-style-type: none"><li>› Max Output: 19 dBu</li><li>› Dynamic Range: 110 dB</li><li>› THD+N: 0.0012%</li><li>› Frequency Response: 20 Hz–20 kHz, <math>\pm 0.125</math> dB</li></ul>
Headphone outputs	<ul style="list-style-type: none"><li>› Dynamic Range: 102 dB</li><li>› Frequency Response: 20 Hz–20 kHz, <math>\pm 0.2</math> dB</li><li>› Output Power: 120 mW <math>\times</math> 32 Ohm</li></ul>
Hi-Z output (reamp)	<ul style="list-style-type: none"><li>› Dynamic Range: 103 dB</li><li>› THD+N: 0.002%</li><li>› Frequency Response: 20 Hz–20 kHz, <math>\pm 0.3</math> dB</li></ul>

## WHAT'S INCLUDED

- › MBOX Studio audio interface
- › MBOX Control software
- › Pro Tools Studio software and plugins (1-year subscription)
- › Sibelius Artist software and mobile app (1-year subscription)
- › MBOX Ignition Pack plugin bundle
- › USB-C cable
- › USB-C female to USB-A male adapter
- › Power adapter
- › Registration card





# MBOX Studio—21 x 22 audio production system

## MBOX STUDIO—GENERAL DESCRIPTION

### **100 words**

Bring professional recording power to your personal studio with the most comprehensive desktop interface ever made. Powered by Pro Tools® Studio, MBOX® Studio provides everything you need to create, record, edit, and mix music and audio with exceptional clarity, plus podcast and stream too. Low-latency tracking, real-time effects, and 21 x 22 simultaneous I/O—including four Variable Z mic/line inputs—enable you to quickly turn your ideas into the next big hit with ease. Go further with loopback mixing, guitar reamplification, and multi-monitor control. And sound your best with a massive collection of instruments, plugins, and loops, including MBOX Ignition Pack.

### **50 words**

MBOX® Studio delivers exceptional sound clarity, real-time effects, low-latency tracking, loopback mixing, and 21 x 22 simultaneous I/O in the most comprehensive desktop interface ever made. Powered by Pro Tools® Studio, you get everything you need to create, record, edit, and mix high-quality music and audio, plus podcast and stream.

### **25 words**

With MBOX® Studio—the most comprehensive desktop music and audio production interface—you have everything you need for low-latency tracking, mixing, streaming, podcasting, and more.