



Mbox 2 Pro

Mobile High-Definition Audio/MIDI Production System

Features

Mbox 2 Pro Hardware

- Professional sound quality (24-bit/96 kHz⁺⁺)
- Powered by FireWire^{*} or included power supply
- 6 simultaneous inputs/8 simultaneous outputs
- 4 analog inputs (2 XLR/1/4" TRS combo jacks & 2 1/4" TRS jacks)
- 6 analog outputs (1/4" jacks)
- 2 instrument DI inputs on the front panel
- 2 channels of S/PDIF digital I/O (RCA)
- Built-in phono preamp input (RCA) for direct turntable connection
- 1 MIDI input and output (16 channels in/16 channels out)
- MIDI Time Stamping (MTS) support for superior timing and accuracy
- BNC Word Clock I/O
- Low-latency monitoring
- Dedicated monitor outputs with volume control
- 2 stereo headphone outputs with independent volume controls
- 48V phantom power for condenser microphones

Pro Tools LE Software

- Award-winning Pro Tools LE software
- 32 simultaneous audio tracks (128 virtual audio tracks), expandable to 48 tracks**
- Fully integrated MIDI sequencing with 256 simultaneous MIDI tracks
- Includes over 50 effects and instrument plug-ins
- Support for streaming ReWire applications
- Unique Beat Detective™ LE automatic groove analysis and correction tool
- Supports the Digidesign Command8[®] and Control|24™ control surfaces for hands-on mixing
- Huge selection of compatible third-party options

WINDOWS XP
MAC OS X

The Digidesign[®] Mbox[®] 2 Pro is a portable, high-definition audio/MIDI production system that delivers truly professional sound quality. Packing an impressive variety of connection options into a compact interface, Mbox 2 Pro puts powerful multitrack recording and mixing capabilities into your hands, so you can create wherever inspiration strikes. Mbox 2 Pro also includes award-winning, industry-standard Pro Tools LE™ software, over 50 effects and instrument plug-ins, and the Pro Tools Ignition Pack—a collection of powerful tools to get you started creating right away.

Professional Hardware Design

Mbox 2 Pro was designed by the same engineering team responsible for Digidesign's professional Pro Tools|HD[®] systems used in top studios around the world. The result: Mbox 2 Pro features a highly robust hardware design while delivering studio-grade audio specifications, ensuring maximum reliability and professional sonic performance. Mbox 2 Pro is also the first totally portable* Pro Tools LE system to support up to 24-bit/96 kHz⁺⁺ resolution, allowing you to capture high-definition recordings on the go. What's more, the mic preamps in Mbox 2 Pro are among the best you'll find in any mobile audio interface, delivering superior dynamic range, plenty of headroom, and an extremely low noise floor.

Mbox 2 Pro communicates with your Windows XP- or Mac OS X-based computer via a high-speed FireWire (IEEE-1394) connection, and can be powered from your laptop's FireWire port for totally mobile operation.*

I/O Galore

With a wide variety of input and output connections, Mbox 2 Pro enables you to record nearly any type of instrument or signal directly into Pro Tools LE. Plug a mic, bass and/or

guitar, and synthesizer or keyboard and you're ready for high-definition multitrack recording. Mbox 2 Pro even includes two DI inputs on the front of the interface for easily connecting instrument-level sources. In addition, level controls, peak indicators, pads, and phantom power for condenser mics make Mbox 2 Pro perfect for tracking nearly any kind of instrument. A low-latency monitoring option further makes recording with Mbox 2 Pro a cinch.

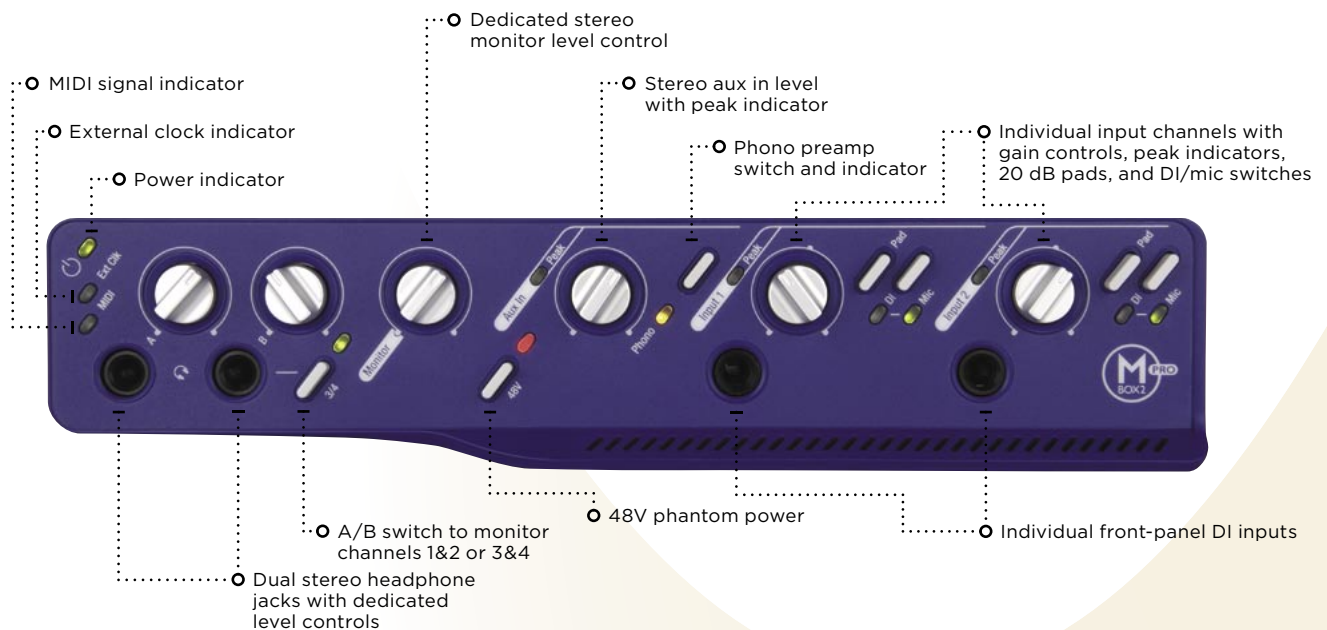
If you have a thing for vinyl, Mbox 2 Pro even includes a built-in phono preamp input for recording directly from a turntable. This way you can sample vinyl directly into Pro Tools—or record LPs directly into Pro Tools at full resolution to save them as digital files—without the additional noise or hassle associated with using external DJ mixers or phono preamps.

Mbox 2 Pro interfaces seamlessly with your favorite MIDI hardware and software instruments thanks to its integrated MIDI in and out port, offering 16 channels of simultaneous MIDI input and output. What's more, the MIDI I/O ports on Mbox 2 Pro support MIDI Time Stamping (MTS), ensuring that your MIDI performances are captured with the utmost precision and accuracy.



Mbox 2 Pro: Hi def. To

Mbox 2 Pro brings expanded I/O, high-definition sample rates, and more to the best-selling Mbox family. With a wide array of connection options—both analog, digital, and MIDI I/O, Mbox 2 Pro gives you high-definition multitrack recording capabilities—at home, in the studio, and everywhere in between.



Two channels of S/PDIF digital I/O on Mbox 2 Pro enable you to route pristine digital audio signals to and from other devices like signal processors, digital mixers, and DATs directly into Pro Tools. In addition, Mbox 2 Pro includes BNC connectors for easily synchronizing your Mbox 2 Pro system with external devices via Word Clock.

The true power of Mbox 2 Pro's plethora of I/O comes into play with the included Pro Tools LE software. As with every Pro Tools system, all routing—including I/O, inserts, and bussing—can be controlled in Pro Tools LE software and saved with every session. Easily set up individual monitor mixes. Send a click track to a drummer. Create an effects loop with your favorite external signal processor. With the Mbox 2 Pro and Pro Tools LE software, you've got an incredibly powerful and flexible solution that works seamlessly with your favorite instruments and studio gear.

Flexible Monitoring

Mbox 2 Pro features multiple options for monitoring your recordings. Stereo monitor outputs allow you to have reference monitors always

connected without taking up valuable output ports, while a dedicated monitor control knob on the front of the unit gives you instant volume control of your mix. Two headphone outputs with separate level controls allow for two discrete monitor headphone mixes, while an Alt 3/4 switch on the unit's front panel enables you to quickly and easily monitor outputs 3 and 4.

Power to Create

The Mbox 2 Pro system integrates high-performance hardware with powerful, easy-to-use, industry-standard Pro Tools LE software—giving you many of the same features that top studios rely on to record, edit, mix, and master award-winning albums and film sound. Record up to 128 audio tracks and mix up to 32** of them simultaneously; or, pick up the Music Production Toolkit or DV Toolkit™ 2 software expansion option and mix up to 48 simultaneous stereo audio tracks.

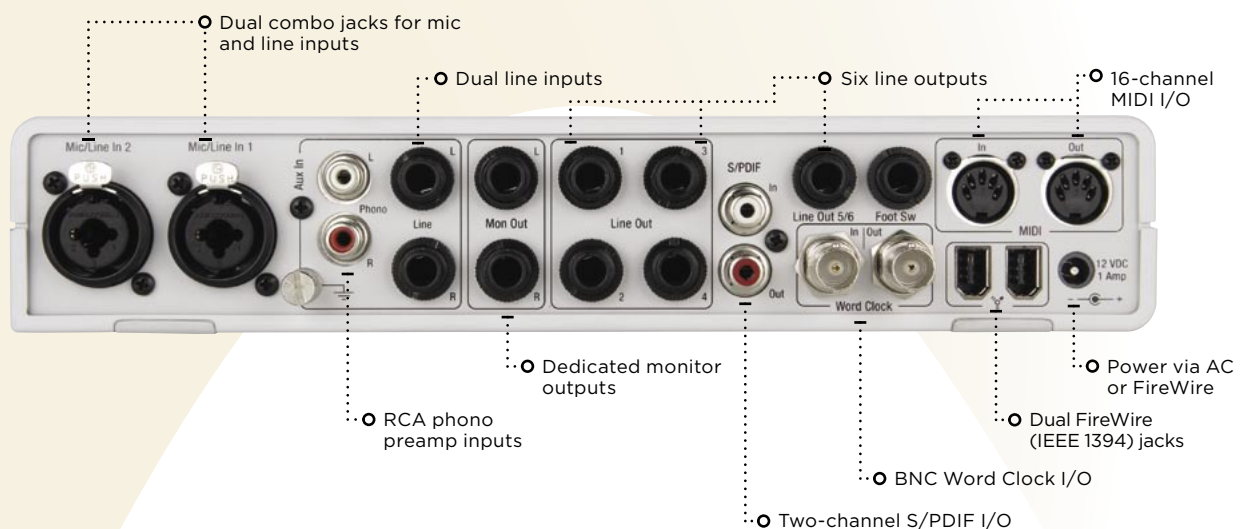
Pro Tools LE 7 software offers an unparalleled breadth of creative options when developing ideas. Easily import audio and MIDI files and loops—including REX and ACID files. Take advantage of an unmatched range of

unique, nondestructive audio editing tools like Beat Detective LE, which enables you to easily alter or correct the groove of audio and MIDI tracks. Develop MIDI compositions with the integrated, easy-to-use MIDI sequencer. Choose among a wide-range of effects and instrument plug-ins like the included Xpand!™ sample-playback/synthesis workstation to develop the sounds you're after, or integrate your favorite ReWire-compatible applications right into your mixes. Even use your favorite VST plug-ins with Pro Tools software via FXpansion's VST-to-RTAS Adapter (sold separately).

Pro Tools LE software also offers the ultimate in recording and mixing power and flexibility. Use loop recording to capture several takes of a solo. Set an automatic punch-in/punch-out range to effortlessly fix a passage. Choose among a variety of professional plug-in effects to develop a mix. Take advantage of the most powerful automation in the industry to add motion to your music. Even connect a control surface such as Command8 to your setup and enjoy the familiar feel of tactile faders and knobs when mixing your music.

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Specifications

Mic/Line Inputs 1 & 2

- Connector: Two balanced XLR / 1/4" combo jacks with independent gain controls
- Mic Phantom Power: 48V
- Equivalent Input Noise: -129 dBu
- Frequency Response: +/- 0.1 dB
- Dynamic Range: 105 dB / 107 dB A-weighted
- THD + N (Mic / Line): 0.001% (-100 dB)
- THD + N (Mic w/ 40 dB gain): 0.005% (-86 dB)
- Input Sensitivity, Pad off: 1 dBu minimum gain, -39 dBu maximum gain
- Input Sensitivity, Pad on: 21 dBu minimum gain, -19 dBu maximum gain
- Input Impedance: 3.5 kOhm mic, 10 kOhm line

DI Inputs

- Connector: Two unbalanced 1/4" jacks (on front) with independent gain controls
- Frequency Response: +/- 0.1 dB
- Dynamic Range: 105 dB / 107 dB A-weighted
- THD + N: 0.008% (-82 dB)
- Input Sensitivity, Pad off: 1 dBu minimum gain, -39 dBu maximum gain
- Input Sensitivity, Pad on: 21 dBu minimum gain, -19 dBu maximum gain
- Input Impedance: 5 MOhm

Aux Line Inputs 3/4

- Connector: Two balanced 1/4" jacks
- Frequency Response: +/- 0.1 dB
- Dynamic Range: 104 dB / 106 dB A-weighted
- THD + N: 0.001% (-100 dB)

- Input Sensitivity: 10 dBu minimum gain, -10 dBu maximum gain
- Input Impedance: 16 kOhm

Phono Inputs 3/4*

- Connector: RCA pair
- Frequency Response: +/- 1 dB
- Dynamic Range: 97 dB / 104 dB A-weighted
- THD + N: 0.01% (-80dB)
- Input Sensitivity: -20 dBV minimum gain, -40 dBV maximum gain @ 1 kHz.
- Input Impedance: 47 kOhm resistive, 150pF capacitive

Line Outputs (1-6)

- Connector: Channels 1-4: Four impedance balanced 1/4" jacks. Channel 5-6: One unbalanced stereo 1/4" jack.
- Frequency Response: +/- 0.25 dB
- Dynamic Range: 104 dB / 109 dB A-weighted
- THD + N: 0.0015% (-96 dB)
- Output Sensitivity: 4 dBV

Monitor Outputs

- Connector: Two 1/4" unbalanced jacks
- Frequency Response: +/- 0.25 dB
- Dynamic Range: 106 dB / 110 dB A-weighted
- Output Sensitivity: 6 dBV at max gain 100 kOhm load

Headphone Outputs

- Connector: Two 1/4" stereo jacks: one is channel 1&2, one is channel 1&2 or 3&4 (switchable). Independent volume controls.

- Output Sensitivity: 2 Vrms @ 600 Ohm load, maximum gain
- Frequency Response: +/- 0.25 dB
- Dynamic Range: 104 dB / 109 dB A-weighted

Digital Specifications

- Supported Sample Rates**: 44.1, 48, 88.2, 96 kHz
- Maximum Word Length: 24 bit
- S/PDIF: RCA jacks
- Word Clock: BNC jacks
- Host Connection: Two 6-pin IEEE-1394a (Firewire) jacks.
- MIDI: Two 5-pin MIDI DIN connectors

Size / Weight / Power

- Height: Including lip: 2.26 inches / 5.74 cm.
- Width: 10.28 inches / 26.11 cm.
- Depth: Including lip, excluding rear connectors: 9.15 inches / 23.24 cm.
- Weight: 3.3 lbs / 1.5 kg.
- Power Requirements: Powered off 6-pin IEEE-1394a (FireWire) jack or 9 to 24 Volts DC jack (A/C power adaptor included).
- Maximum Power Consumption: 6 Watts

All noise and dynamic range measurements with 20 Hz to 20 kHz bandwidth at 48 kHz sample rates, unless otherwise noted.

ADC measured -60 dBFS at 1 kHz with minimum gain setting; DAC with digital playback at -60 dBFS at 1 kHz.

Frequency response measurements relative to level at 1 kHz.

** equalization and sensitivity measured at 1 kHz.*

*** External clock supports up to 48 kHz sample rates*



Easy Collaboration

When you work with Pro Tools software, you're working with the standard for professional audio production. Enjoy full compatibility with countless Pro Tools-equipped professional and personal studios around the globe. Exchange entire sessions, individual session elements, or stereo mixes for easy collaboration with your friends. Pro Tools LE also allows you to export to numerous standard audio file formats, including MP3.† With Mbox 2 Pro and Pro Tools LE software, you're immediately a member of the largest community of audio enthusiasts and professionals in the world.

Light Your Creative Spark

In addition to Pro Tools LE software, Mbox 2 Pro includes more than 50 valuable plug-ins and applications. Included are 39 professional DigiRack™ plug-ins, ranging from EQ and dynamics to delays and reverb, plus seven professional Bomb Factory® plug-ins for unique effects and emulations of legendary outboard gear. Mbox 2 Pro also comes with the Xpand!™ sample-playback/synthesis workstation from Digidesign's Advanced Instrument Research group, featuring more than 1,000 professional-sounding patches and 500 combinable part presets.

To further spark your creativity, Mbox 2 Pro includes the Pro Tools Ignition Pack™—an impressive array of added composition and production tools that includes coveted third-party plug-ins and software applications, the *Pro Tools Method One™* instructional DVD, and a free one-year Broadjam.com membership.

If you're looking to expand the power of your Mbox 2 Pro system, pick up the Music Production Toolkit, which adds a comprehensive plug-in bundle, support for up to 48 mono or stereo audio tracks, and additional features previously

available only with Pro Tools HD software. To transform your Mbox 2 Pro into a sound-for-picture workstation, choose the DV Toolkit 2 option, which includes powerful plug-ins and features that are ideal for post production projects. For more information on the Music Production Toolkit and DV Toolkit 2 software expansion options, visit www.digidesign.com.

Mbox 2 Pro Factory

Want even more plug-in choices right out of the box? A mere \$100 more gets you the Mbox 2 Pro Factory, featuring five additional Digidesign and Bomb Factory plug-ins plus an iLok USB Smart Key (which you will need to authorize the plug-ins). Mbox 2 Pro Factory plug-ins include:

Maxim™

A must-have, world-class peak limiting and sound level maximizing plug-in that optimizes the overall audio levels while preserving the integrity of the original sound.

Moogerfooger® Analog Delay

A warm delay meticulously based on Bob Moog's classic analog design.

JOEMEER® VC5™ Meequalizer®

An equalizer that recreates a custom Joe Meek box that featured a treble and bass circuit with a sweepable mid control.

JOEMEER SC2™ Photo Optical Compressor

A compressor with a unique edge, modeled after hardware units used by top producers around the globe.

Cosmonaut Voice™

An "out-of-this-world" plug-in that offers a telephone voice, interplanetary effects, distortion, squelch, and even an authentic tone culled from recently declassified Russian space footage, all through a funky-looking interface.

Pro Tools Ignition Pack Contents

- Propellerhead Software Reason Adapted
- Ableton Live Lite Digidesign Edition
- FXpansion BFD Lite
- IK Multimedia SampleTank 2 SE
- IK Multimedia AmpliTube LE
- IK Multimedia T-RackS EQ
- Celemony Melodyne uno essential
- *Pro Tools Method One* instructional DVD
- Bunker 8 REX File CD
- 1-year membership to Broadjam.com



Powered by
PRO TOOLS LE SOFTWARE

System Requirements

A Digidesign-qualified computer running Windows XP or Mac OS X.†

*Requires 6-pin connection for power via FireWire.

**Pro Tools LE software supports 32 mono (16 stereo) audio tracks, expandable to 48 mono or stereo audio tracks with optional Music Production Toolkit or DV Toolkit 2.

†For the most current system requirements, compatibility information, and online support, visit the support section of www.digidesign.com.

††Mbox 2 Pro does not support external sync at 88.2 and 96 kHz sample rates.

‡MP3 export requires the Pro Tools MP3 Option.



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