Mbox

Digidesign and Focusrite Micro Project/Home Studio

M | W

Mac OS | Windows

FEATURES

- *Two analog inputs and outputs, featuring Focusrite mic preamps*

- *24-bit stereo S/PDIF digital I/O*

- *Pristine 24-bit signal path from input to output*

- *Two analog TRS inserts*

- *Headphone output with dedicated volume control*

- *Near Zero-latency monitoring*

- *100% USB powered*

- *Pro Tools LE software*

- *Digidesign ASIO Driver (Windows only)*

Digidesign's Mbox™ sets a new precedent for sound quality and audio power in a compact package. Mbox is a 2-channel USB audio peripheral characterized by Digidesign and Focusrite performance, specifically engineered to offer you precision sound in a very small, very portable package. Featuring acclaimed Focusrite mic pres, Mbox couples high-quality components with a 24-bit input-to-output signal path to guarantee the fidelity of your sound throughout the production chain. And with Pro Tools® LE software* placing legendary recording, mixing and editing prowess at your fingertips, you're in an ideal position to take Mbox anywhere and still get the pro results you've come to expect from Digidesign and Focusrite products.

The express purpose of Mbox is to make Pro Tools available to you as readily and effortlessly as possible. With Mbox, you can literally create a functional, effective studio environment in as much time as it takes to plug in your gear, boot up your laptop or desktop computer, and launch Pro Tools. Capture inspiration at its freshest in a plane, train, automobile or home, and then craft the results into a finished product — or migrate your session to another Pro Tools environment. Whatever direction you choose, you benefit from a very affordable, reliable and tightly packed piece of Pro Tools gear.

ALL SIGNALS ACCOUNTED FOR

Topping the list of Mbox's outstanding features are a pair of Focusrite mic pres. Mbox supports XLR mic connections and 1/4" TRS line or instrument (D.I.) inputs utilizing a Neutrik Combo jack. Simply patch in an input source, and rest assured that your signal is treated with the utmost respect, courtesy of Focusrite quality and the same 24-bit Pro Tools environment upon which hundreds of thousands of customers rely.

Once your ideas enter Mbox, Pro Tools LE software handles the audio processing and editing with time-tested finesse, providing you with all the resources you need to create the mix you're after. Track, overdub, edit and mix to your heart's content; single mouse-clicks replace rewind, fast

forward and patching inefficiencies, enabling you to create instead of wait. Additionally, nearly every move you make while in Pro Tools can be undone, so your options remain wide open until you're ready to draw the line. Throughout the process of crafting your projects, you simultaneously enjoy a solid, fundamental introduction to the Pro Tools interface. And with the Digidesign ASIO™ Driver, the creative possibilities take another leap forward, opening the doors for interaction with a variety of popular third-party audio applications on Windows XP.

MORE GOODIES

Additional features further define Mbox as the micro studio of choice. Near zero-latency monitoring and two analog TRS inserts offer you on- and outboard flexibility; you hear exactly what's happening as it happens, and you can add outside influences in the process. Hi-Z inputs accommodate guitar and bass pickups as well as temperamental keyboard outputs. Ergonomic front-panel gain knobs and a source selection switch allow for quick, discretionary control.

On the output side, Mbox includes two options: two analog balanced/unbalanced outputs with 24-bit D/A converters, and a high-quality headphone amp with dedicated volume control. Both 1/8" and 1/4" headphone connectors are accommodated. 24-bit stereo S/PDIF digital I/O extends your options by giving you the opportunity to work entirely in the digital domain.

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SPECIFICATIONS

Analog Inputs – 2
- Separate source selection and gain control per channel
- MIC / LINE / INST (D.I.) input — XLR / 1/4" combo connector
- Phantom power (48 V)
- Mic pre-amp: > −120 dB EIN @ > 40 dB gain
- Hi-Z input for instrument pickup
- Maximum Input: 3.5 VRMS (balanced signal), or +24 dBu

Analog Line Outputs – 2
- Maximum Output: 3.5 VRMS (balanced signal), or +4.2 dBu
- Balanced/unbalanced connections supported

Analog Inserts (TRS) – 2
- Use outboard processors while recording to disk

Headphone Output
- Separate volume control — both 1/8" and 1/4" connectors
- > 0.25 w into 600 ohm

Digital I/O
- S/PDIF I/O (24-bit)
- RCA jacks

Misc.
- 24-bit clean — to/from the computer
- USB type B socket (v.1.1); cable included (does not support passive USB hubs)

Dimensions
- H 6.24" (15.8 cm) x W 3.52" (8.9 cm) x D 7.2" (18.3 cm)
- Weight: 1 lb., 7.6 oz./670 grams

A/D
Sample Rate: 44.1, 48 kHz
  Dynamic Range:
  101 dB (A-weighted)
  99 dB (unweighted)[1,2]

  THD+N (line input): 0.003% (-90.5 dB) @ 1 kHz[1,3]

  THD+N @ 40 dB gain (mic input): 0.004% (-88 dB) @ 1 kHz[1]

  Mic E.I.N (unweighted): -126 dB @ 40 dB gain, 150 ohm source

  Frequency Response: +0/-0.5 dB, 20 Hz - 20 kHz[3]

  Maximum Input: +24 dBu

  Input Impedance: Mic = 4 kohms; Line = 44 kohms; Inst (D.I.) = 1 Mohms

D/A
Sample Rate: 44.1, 48 kHz

  Dynamic Range:
  103 dB (A-weighted),
  101 dB (unweighted)[1,4]

  THD+N: 0.004% (-88 dB); -14 dBFS @ 1 kHz[1,3]

  Frequency Response: +0.5/-0.5, 20 Hz - 20 kHz[3]

  Maximum Output: +4.2 dBu

  1 Measurement made using balanced connectors
  2 ADC measured -60 dBFS method with a gain setting such that +24 dBu = 0 dBFS at S/PDIF output
  3 Measured relative to level at 1 kHz
  4 Measured with digital input at -60 dBFS @ 1 kHz

END RESULT: QUALITY

Mbox not only ushers your projects through a small system with major sound, expressly purposed to catch your inspiration as it happens, where it happens — it also represents a truly amazing value. Never before has so much been packed into a package this small at a price that any music maker can afford.

SYSTEM REQUIREMENTS

Digidesign-approved computer running Mac OS or Windows XP.

For the latest Digidesign product information and system requirements, visit www.digidesign.com.

For the latest Development Partner plug-in and software compatibility information, visit www.digidevelopers.com.

* 32 tracks with Windows XP, 24 tracks with Mac OS

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