

025:250 COMPOSITION: ELECTRONIC MEDIA I

Fall 2009

Digidesign Products

1. Digidesign
 - a. History
 - b. Partners: Avid, Siblelius
 - c. Upgrade policy

1. Mbox-2 Pro
\$649



Award-winning Pro Tools LE recording, editing, and mixing software
Comprehensive Pro Tools Ignition Pack software and audio tool collection
Professional sound quality
Powered by FireWire* or included power supply
Supports up to 24-bit/96 kHz resolution**
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 studio monitor outputs with volume control
2 stereo headphone outputs with independent volume controls
48V phantom power for condenser microphones

2. Mbox-2Micro
\$249



Ultra-compact Pro Tools LE system for on-the-go editing and mixing, and music creation with virtual instruments and loops
High-quality sound up to 24-bit, 48 kHz (higher sample rates require pre-conversion)
1/8-inch stereo output jack for headphone or speaker monitoring (no audio inputs)
Convenient volume wheel for quick headphone adjustments
Slick and compact anodized aluminum design
Includes Pro Tools LE software, DigiRack and BombFactory plug-ins, and Xpand! to start creating, editing, and mixing right away
Supports Music Production Toolkit and DV Toolkit™ 2 options for working on the road with larger projects (up to 48 stereo tracks)

Powered by USB (USB 1.1 connector, includes USB extension cable)

System Requirements:

Digidesign-qualified Windows XP-* or Mac OS X10.4-based computer (*NOT COMPATIBLE with Windows XP Media Center Edition)

768 MB of RAM (1 GB highly recommended)

DVD-ROM (or equivalent) drive for software installation

Available USB port (USB hubs not supported)

Minimum 1024 x 768 screen resolution

3. Mbox-2 Mini
\$449



Superior sonic performance

100% USB powered for maximum portability

2 analog inputs (XLR and 1/4" jacks) & 2 analog outputs (1/4" jacks)

2 channels of S/PDIF digital I/O (RCA)

4 simultaneous channels of input using both analog and digital I/O*

1 MIDI input & 1 MIDI output (16 channels in/16 channels out)

Zero-latency monitoring

48V phantom power for condenser microphones

Separate source selection and gain control per channel

Headphone output with dedicated volume control

Dedicated studio monitor volume control

True multi-client audio/MIDI drivers (Mac OS X only; Windows XP drivers coming soon)

Software Features:

Includes award-winning Pro Tools LE recording, editing, and mixing software, featuring:

32 simultaneous audio tracks (128 virtual audio tracks)

Fully integrated MIDI sequencing with 256 simultaneous MIDI tracks

The ability to stream ReWire applications into Pro Tools LE for further mixing and processing

Unique Beat Detective™ LE automatic groove analysis and correction tool

37 DigiRack™ plug-ins, including EQ, dynamics, delays, reverb, and much more

7 professional Bomb Factory® plug-ins

Compatibility with Windows XP* and Mac OS X computers (*NOT COMPATIBLE with Windows XP Media Center Edition)

Includes the Pro Tools Ignition Pack

Supports the Digidesign Command8™ control surface for hands-on mixing

Huge selection of compatible third-party plug-ins and software options

- *Four simultaneous inputs require two channels of digital input plus two analog channels*

4. Mbox-2 Facbun
\$549



Superior sonic performance

100% USB powered for maximum portability

2 analog inputs (XLR and 1/4" jacks) & 2 analog outputs (1/4" jacks)

2 channels of S/PDIF digital I/O (RCA)

4 simultaneous channels of input using both analog and digital I/O*

1 MIDI input & 1 MIDI output (16 channels in/16 channels out)

Zero-latency monitoring

48V phantom power for condenser microphones

Separate source selection and gain control per channel

Headphone output with dedicated volume control

Dedicated studio monitor volume control

True multi-client audio/MIDI drivers (Mac OS X only; Windows XP drivers coming soon)

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Compatibility with Windows XP* and Mac OS X computers (*NOT COMPATIBLE with Windows XP Media Center Edition)

Includes the Pro Tools Ignition Pack (see below for more info)

Supports the Digidesign Command8™ control surface for hands-on mixing

Huge selection of compatible third-party plug-ins and software options

Other plug-ins and iLok



\$1,000

\$1,700

Mic Inputs

Connector: Four balanced XLR jacks

Mic Phantom Power: 48V

Equivalent Input Noise: -129 dBu

Frequency Response: +/- 0.1 dB, 20 Hz - 20 kHz

Line Outputs (1-8)

Connector: Eight impedance balanced 1/4

Frequency Response: +/- 0.5 dB, 20 Hz -

Dynamic Range: 110 dB / 113 dB A-weight

THD + N: 0.0007% (-103 dB)

Dynamic Range: 105 dB / 107 dB A-weighted
THD + N: 0.0007% (-103 dB)
Mic EIN: -129 dBu
Input Sensitivity: +2.2 dBu
Input Impedance: 2K Ohm
Gain Range: +18 – +65 dB

Output Sensitivity: +18 dBu

Line Inputs

Connector: Four balanced 1/4" jacks
Frequency Response: +/- 0.1 dB, 20 Hz - 20 kHz
Dynamic Range: 111 dB / 113 dB A-weighted
THD + N: 0.0007% (-103 dB)
Input Sensitivity: +17.38 dBu
Input Impedance: 22K Ohm
Gain Range: 0 – +50 dB

DI Inputs

Connector: Four balanced 1/4" jacks
Frequency Response: +/- 0.1 dB, 20 Hz - 20 kHz
Dynamic Range: 104 dB / 106 dB A-weighted
THD + N: 0.0008% (-102 dB) - Balanced input
Input Sensitivity: +17.16 dBu
Input Impedance: >300K Ohm
Gain Range: 0 – +50dB

Aux Inputs

Connector: Two balanced 1/4" jacks
Frequency Response: +/- 0.1 dB, 20 Hz - 20 kHz
Dynamic Range: 111 dB / 113 dB A-weighted
THD + N: 0.00055% (-105 dB)
Input Sensitivity: +17.16 dBu
Input Impedance: 10K Ohm

Monitor Outputs (Main & Alt)

Connector: Two impedance balanced 1/4"
Frequency Response: +/- 0.5 dB, 20 Hz -
Dynamic Range: 110 dB / 112 dB A-weighted
THD + N: 0.0008% (-102 dB)
Output Sensitivity: +18 dBu

Headphone Outputs

Connector: Two unbalanced 1/4" jacks
Frequency Response: +/- 0.5 dB, 20 Hz -
THD + N: 0.0009% (-101 dB)
Dynamic Range: 110 dB / 112 dB A-weighted
Output Sensitivity: +23 dBu

Digital Specifications

Supported Sample Rates: 44.1, 48, 88.2, 96 kHz
Maximum Word Length: 24-bit
S/PDIF: 2-channel optical or RCA jack pass-through
Digital Optical: TOSLINK (ADAT, max 4 channels)
Word Clock: Two BNC jacks
Host Connection: Two IEEE-1394a (FireWire) ports (10-pin FireWire cable included)
MIDI: 5-pin MIDI DIN connectors - one in