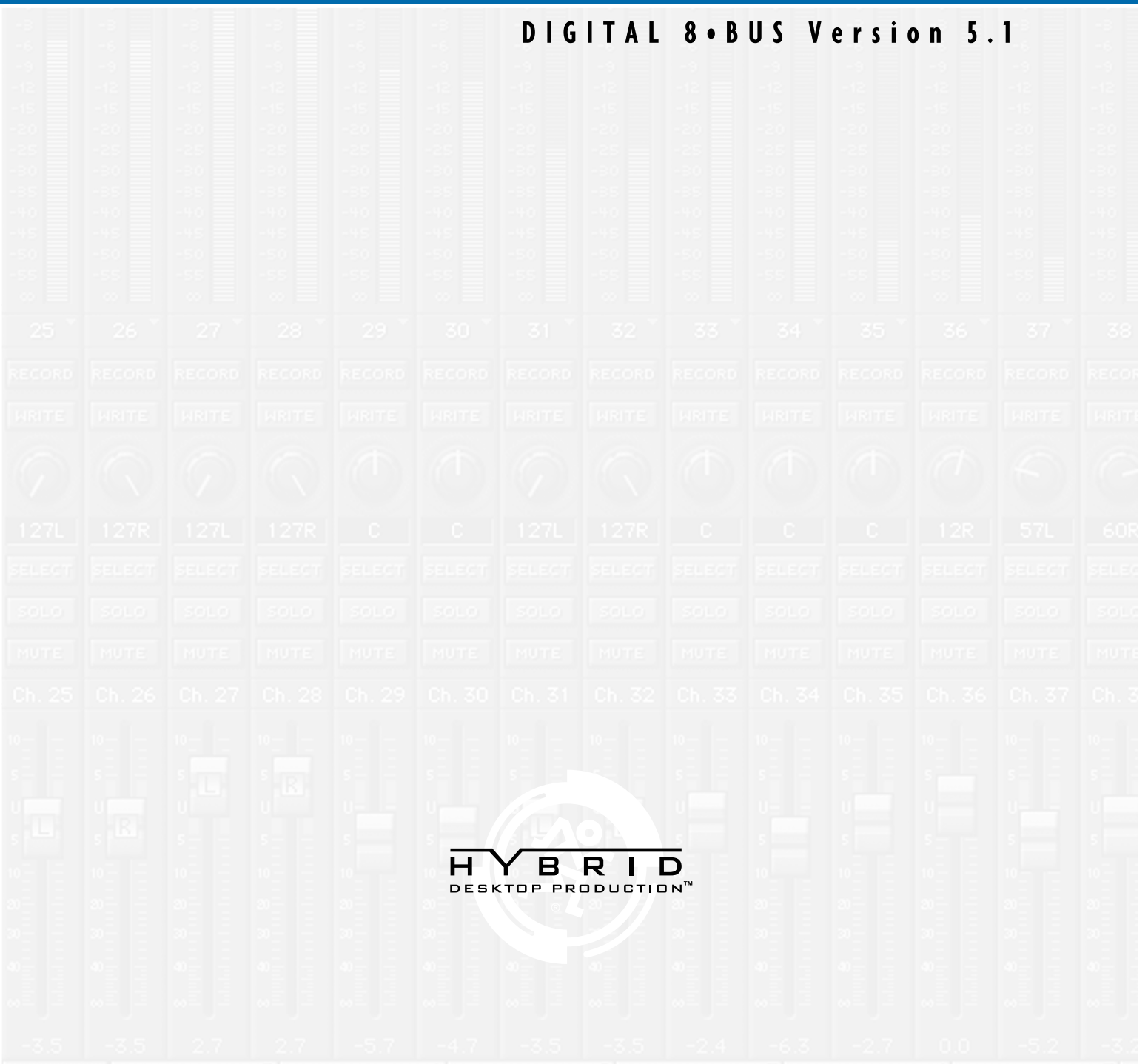


# OWNER'S MANUAL

DIGITAL 8•BUS Version 5.1



CAUTION AVIS

RISK OF ELECTRIC SHOCK  
DO NOT OPEN  
RISQUE DE CHOC ELECTRIQUE  
NE PAS OUVRIR

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CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK  
DO NOT REMOVE COVER (OR BACK)  
NO USER-SERVICEABLE PARTS INSIDE  
REFER SERVICING TO QUALIFIED PERSONNEL  
  
 ATTENTION: POUR EVITER LES RISQUES DE CHOC  
ELECTRIQUE, NE PAS ENLEVER LE COUVERCLE. AUCUN  
ENTRETIEN DE PIECES INTERIEURES PAR L'USAGER. CONFIER  
L'ENTRETIEN AU PERSONNEL QUALIFIE.  
  
 AVIS: POUR EVITER LES RISQUES D'INCENDIE OU  
D'ELECTROCUTION, N'EXPOSEZ PAS CET ARTICLE  
A LA PLUIE OU A L'HUMIDITE



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure, that may be of sufficient magnitude to constitute a risk of electric shock to persons.

*Le symbole éclair avec pointe de flèche à l'intérieur d'un triangle équilatéral est utilisé pour alerter l'utilisateur de la présence à l'intérieur du coffret de "voltage dangereux" non isolé d'ampleur suffisante pour constituer un risque d'électrocution.*



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

*Le point d'exclamation à l'intérieur d'un triangle équilatéral est employé pour alerter les utilisateurs de la présence d'instructions importantes pour le fonctionnement et l'entretien (service) dans le livret d'instruction accompagnant l'appareil.*

## SAFETY INSTRUCTIONS

1. Read Instructions — All the safety and operation instructions should be read before this Mackie product is operated.
2. Retain Instructions — The safety and operating instructions should be kept for future reference.
3. Heed Warnings — All warnings on this Mackie product and in these operating instructions should be followed.
4. Follow Instructions — All operating and other instructions should be followed.
5. Water and Moisture — This Mackie product should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, near a swimming pool, swamp, or salivating St. Bernard dog, etc.
6. Ventilation — This Mackie product should be situated so that its location or position does not interfere with its proper ventilation. For example, the Component should not be situated on a bed, sofa, rug, or similar surface that may block any ventilation openings, or placed in a built-in installation such as a bookcase or cabinet that may impede the flow of air through ventilation openings.
7. Heat — This Mackie product should be situated away from heat sources such as radiators or other devices which produce heat.

PORTABLE CART WARNING

Carts and stands - The Component should be used only with a cart or stand that is recommended by the manufacturer. A Component and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the Component and cart combination to overturn.

8. Power Sources — This Mackie product should be connected to a power supply only of the type described in these operating instructions or as marked on this Mackie product.

9. Power Cord Protection — Power supply cords should be routed so that they are not likely to be walked upon or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit this Mackie product.

10. Object and Liquid Entry — Care should be taken so that objects do not fall into and liquids are not spilled into this Mackie product.

11. Damage Requiring Service — This Mackie product should be serviced only by qualified service personnel when:

- A. The power-supply cord or the plug has been damaged; or
- B. Objects have fallen, or liquid has spilled into this Mackie product; or
- C. This Mackie product has been exposed to rain; or
- D. This Mackie product does not appear to operate normally or exhibits a marked change in performance; or
- E. This Mackie product has been dropped, or its chassis damaged.

12. Servicing — The user should not attempt to service this Mackie product beyond those means described in this operating manual. All other servicing should be referred to the Mackie Service Department.

13. Do not remove the cover on the console. It is permissible to remove the outer cover on the Remote CPU to install accessory cards. Do not remove the inner power supply cover.

14. To prevent electric shock, do not use this polarized plug with an extension cord, receptacle, or other outlet unless the blades can be fully inserted to prevent blade exposure.

*Pour prévenir les chocs électriques ne pas utiliser cette fiche polarisée avec un prolongateur, un prise de courant ou une autre sortie de courant, sauf si les lames peuvent être insérées à fond sans laisser aucune partie à découvert.*

15. Grounding or Polarization — Precautions should be taken so that the grounding or polarization means of this Mackie product is not defeated.

16. This apparatus does not exceed the Class A/Class B (whichever is applicable) limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications.

*ATTENTION — Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de class A/de class B (selon le cas) prescrites dans le règlement sur le brouillage radioélectrique édicté par les ministere des communications du Canada.*

### FCC Information

**NOTE:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**WARNING** — To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

**Note:** The following notice concerns the lithium battery located on the motherboard inside the Remote CPU.

**CAUTION:** DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER. DISPOSE OF USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

**ATTENTION:** IL Y A DANGER D'EXPLOSION S'IL Y A REMPLACEMENT INCORRECT DE LA BATTERIE, REMPLACER UNIQUEMENT AVEC UNE BATTERIE DU MEME TYPE OU D'UN TYPE ÉQUIVALENT RECOMMANDÉ PAR LE CONSTRUCTEUR. METTRE AU REBUT LES BATTERIES USAGÉES CONFORMÉMENT AUX INSTRUCTIONS DU FABRICANT.

## Statement of Conformity

Mackie Designs' Digital 8•Bus has been tested and conforms to the following standards and directives of the European Council:

73/23/EEC	Low Voltage Directive with amendments 91/263/EEC, 89/392/EEC, and 89/336/EEC
89/336/EEC	EMC Directive
IEC 950(1991)/EN60950:1992	Electrical Safety Requirements
EN55103-1 and EN55103-2	Residential (E1) and Commercial (E2) Environments



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## Preface

The Mackie Digital 8•Bus is an amazing digital audio tool. Its flexibility, depth, and power provide the engineer/artist with nearly limitless creative freedom to produce top quality work.

The D8B v5.1 upgrade offers a host of new features that can make your mixes sound better and speed your workflow. Here's a list of the newest features of the Mackie OS v5.1.



### WHAT'S NEW WITH v5.1

- Great new overview screen graphics improve viewing and productivity
- HTML on-screen Help to quickly answer questions about D8B features and functions
- HUI Mode allows the D8B to operate as a HUI control surface with DAW software applications that support the Mackie HUI (i.e., Pro Tools, DP3, Nuendo, Cubase SX, Soundscape, Logic 6)
- New metering options offer more flexibility:
  - On-screen level meters with choice of bottom view, top view, or off
  - On-screen level Meter Type options include Pre Fader, Post Fader, and Post Mute/Fader
  - On-screen level Meter Reference Point can be assigned to  $-10$  dB,  $-15$  dB, or  $-20$  dB to accommodate different program sources
  - Show Meters In Trim Mode displays the actual signal level in the on-screen meters when in Trim Levels Automation mode
  - Show Peak Holds causes the Overload indicators in the Top meters view to remain lit when triggered by a transient peak
- Numeric Fader Reference—the fader's current level in dB appears just below the fader
- Modify Fader Levels calibrated in dB
- Vertical channel linking
- Individual Aux Send mutes on each channel
- Stereo Aux Send Pan sliders
- Channel EQ window dims when the EQ is disabled instead of flat-lining
- Double-click the channel EQ window to open the Fat Channel for detailed editing
- Improved Fat Channel:
  - Improved EQ algorithms
  - Larger Channel EQ and Dynamics EQ views by double-clicking in either graphic window
  - Expanded Dynamics View opens graphic views of the Compressor and Gate parameters
  - Alternate view of the Compressor and Gate meters
  - Compressor meter switches between Output Level or Compressor Gain Reduction
  - Gate meter switches between Input Level and Gate Gain Reduction
  - Gate Expansion mode allows reduction of the signal level below the designated threshold by a variable ratio
  - Adjustable Dynamics Key Types provides a selection of four EQ types that can be applied to the Key Input (BAND 4 EQ TO DYN)
  - External MIDI Trigger for the Gate
  - Channel polarity can be flipped from the console VFD
- Advanced Mix Editor features including:
  - Insert Event by placing Event markers in the Mix Editor window time bar
  - Event markers can be moved, edited, and locked
  - Events can be committed to Dynamic Automation for further editing
- Independent control of Plug-in Source and Destination
- Plug-in Chaining
- Plug-ins can now be used on Bus Inserts

- Enhanced Surround Sound features:
  - Surround Sound Setup window
  - Surround Sound Monitor Level control in the Surround window
  - Mute option for surround monitoring when in Stereo surround mode
  - Surround mode now selectable from the Surround window
  - Surround panning appears in Fat Channel
- Adjustable attenuation for the Control Room DIM switch includes -20 dB, -30 dB, -40 dB, and off
- Track Sheet stores all pertinent session information with the session itself
- Track Sheet can be exported as an HTML file or text file
- Channel Notes window for keeping additional notes about each channel
- Serial•9 support provides Sony 9-Pin communication with external devices
- Copy Mix to Bus copies the current L/R mix to any consecutive odd/even pair of buses (Bus 1-8)
- Copy Mix to Cues button now provides the option of copying the current L/R mix to any consecutive odd/even pair of aux sends, including the cue mixes (Aux 9/10 and 11/12)
- Global Aux Pre/Post Assign in the Mix Options Setup window now includes Aux 9/10 and 11/12
- Reset Selected Channel provides an easy way to reset all the parameters on the selected channel to their default values
- Screen Saver option can be set to activate after 1 minute, and after up to 1 hour of inactivity
- Extended Memory Usage now supports up to 250 MB of RAM

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**Note:** If you are updating from version 3.0 to the v5.1 OS, when you open a session that was created in version 3.0, you may experience anomalies in some of the EQ settings due to the new EQ algorithms in v5.1. You may want to finish any sessions you've already started in version 3.0 before updating to v5.1. If you do update midway through a session, be sure to double-check your EQ settings and make sure they are set correctly.

Alternately, there is an option to select version 3.0 EQ settings under Mix Options in the Setup window. This instructs the DSP to use the version 3.0 algorithms for the EQ, rather than the new and improved algorithms for v5.1.

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**Another Note:** You're probably wondering what happened to version 4. Version 5 has so many new features and enhanced graphics that we thought it was appropriate to skip version 4 altogether and jump up to version 5!

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