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You can read the recommendations in the user guide, the technical guide or the installation guide for M-AUDIO AXIOM 61 (2ND GEN). You'll find the answers to all your questions on the M-AUDIO AXIOM 61 (2ND GEN) in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual M-AUDIO AXIOM 61 (2ND GEN)**

**User guide M-AUDIO AXIOM 61 (2ND GEN)**

**Operating instructions M-AUDIO AXIOM 61 (2ND GEN)**

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**Instruction manual M-AUDIO AXIOM 61 (2ND GEN)**



**M-AUDIO**

Axiom® DirectLink for Logic Pro  
User Guide



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**Manual abstract:**

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## ... 12 Appendix A. DirectLink Control Assignments .....

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@@Each Logic instrument has a corresponding Axiom Instrument Map. Axiom Instrument Maps are available for download and installation at [www.m-audio.com/drivers](http://www.m-audio.com/drivers). Further information about Axiom Instrument Maps can be found in Chapter 4, "Instrument Mode." Whenever DirectLink is switched to Instrument mode, the Instrument button will also illuminate to confirm that you are controlling an instrument. Pressing the Patch Up and Down buttons scrolls through patches to audition and select sounds in the targeted instrument. Pressing either of the Track buttons targets an adjacent track, allowing you to switch from one instrument to another. Pressing the Instrument button a second time returns Axiom to Mixer mode. While in Instrument Mode, holding the Shift button and pressing the Instrument button opens the virtual instrument window.

This lets you to see the on-screen controls update in real time as mapped Axiom controls are used. Holding down the Shift button then pressing Instrument button again, closes instrument windows. Instrument Mode has no effect on the Axiom Transport buttons, and they will remain mapped to their counterparts in Logic Pro. Although this introduction explains how DirectLink with Axiom can enhance your workflow, please take the time to read the rest of this User Guide. Combined with the Axiom User Guide, it will explain how to get the most out of your Axiom Keyboard in Logic Pro.

Axiom DirectLink for Logic Pro User Guide 4 Chapter 1: Introduction DirectLink Requirements System Requirements The latest system requirements can be found at [www.m-audio.com](http://www.m-audio.com). Logic Pro Software DirectLink requires Logic Pro version 9.1 or later.

Earlier versions of Logic Pro do not support DirectLink. To learn more about upgrading your Logic Pro software, please visit <http://www.apple.com>. Axiom Hardware DirectLink requires that Axiom is connected to the host computer, and this guide assumes the process has already been completed. The installation and connection procedure, is covered in the Axiom User Guide. A list of qualified recording applications, along with current drivers, DirectLink installers and User Guides can be found at [www.m-audio.com](http://www.m-audio.com). Axiom DirectLink for Logic Pro User Guide 5 Chapter 1: Introduction Chapter 2: Installation and Configuration Before beginning the DirectLink installation, please make sure Axiom is connected to the host computer, and that Logic Pro is not running.

The instructions below will indicate when Logic Pro should be launched. To install DirectLink and configure Logic Pro: 1 2 3 4 5 6 7 Download the latest DirectLink installer for Logic Pro from [www.m-audio.com/drivers](http://www.m-audio.com/drivers). Locate and double-click on the installer icon then follow the on-screen instructions. Once the installation is complete, launch Logic Pro. Navigate to the Logic Pro menu > Preferences > Control Surfaces > Setup. Choose "New" and double-click "Axiom" (for Axiom 49 or 61) or "Axiom 25" as appropriate. Close the Control Surfaces window. Axiom will be in DirectLink Mode and ready to control Logic Pro.

Whenever Logic Pro is launched, DirectLink will activate automatically and map Axiom controls. Axiom DirectLink for Logic Pro User Guide 6 Chapter 2: Installation and Configuration Chapter 3: Axiom Controls with DirectLink 3 4 6 7 F 1 2 204 F1 F2 F3 F4 F5 F6 F7 F8 F9 E E1 E2 E3 E4 E5 E6 E7 E8 Recall Ctrl Mute Panic Vel Lock E9 E10 E11 E12 E13 E14 12 F10 F11 F12 F13 F14 F15 F16 F17 F18 Patch Track Mute Shift Bank Solo 5 11 10 9 8 This chapter provides an overview of how Axiom controls function when controlling qualified versions of Logic Pro via DirectLink. Where applicable, both Mixer and Instrument Mode will be covered. 1 Shift Button This button is used to access alternate functions of the Faders, Encoder knobs and Instrument button, as well as the Mute and Track (< and >) buttons, as described later in this chapter. @@@@After one second the screen will revert to the track name. @@@@This maps Axiom Faders, Fader buttons, and Encoder knobs to instrument parameters within the target track in your Logic Pro project. The target track determines the destination of MIDI notes and control data transmitted from your Axiom keyboard.

@@Fader button F18 will be lit while DirectLink is in Instrument mode. Pressing this button "flips" the faders and fader buttons back to Mixer mode, while the Encoders remain in Instrument mode. Pressing F18 a second time returns the faders and buttons to Instrument mode.

6 Group E Button The Group E button is illuminated by default, indicating that all eight Axiom Encoder knobs (E1E8) are in DirectLink mode. When this button is pressed, it is no longer lit, and the knobs are released from their DirectLink assignments, and mapped according to the current active preset Patch.

*Pressing the Group E button again returns all controls to their DirectLink assignments. The button also illuminates confirming the group is in DirectLink Mode.*



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Pressing the Group E button does not release the Axiom Transport buttons from DirectLink. 7 Encoder Knobs Mixer Mode On Axiom 49 and 61, the Encoder knobs (E1 E8) control the Pan knobs in the Logic Pro Mixer. On Axiom 25 these knobs control the track volume for the currently selected bank of eight tracks. The LCD screen will display the current track name and Pan value whenever a knob is moved. Instrument Mode The n active instrument window is open or hidden. Hiding an instrument window is not the same as closing it.

Refer to the Logic User Manual for more information about hiding instrument or plug-in windows. Axiom DirectLink for Logic Pro User Guide 11 Chapter 3: Axiom Controls with DirectLink Chapter 4: Instrument Mode Instrument Mode maps Axiom controls to numerous virtual instrument parameters within a targeted track in Logic Pro. This chapter provides an overview of how to setup and use DirectLink to control an instrument loaded into a track within a Logic Pro project. Setting Up Instrument Mode The following steps will guide you through setting up Instrument Mode. Please make sure Axiom is properly connected to your computer. To Set Up Instrument Mode: 1 If needed, create an Instrument Track in the Logic Pro project. Please refer to the Logic Pro User Manual for more details. Load a virtual instrument on to an instrument track. Select the track using either the Fader buttons or the Track buttons. Switch DirectLink to Instrument Mode by pressing the Instrument button (Inst).

The button will illuminate, confirming that Axiom is in Instrument mode 2 3 4 5 Hold down the Shift button and press the Instrument button down to open and close the Instrument window. Using Instrument Mode Axiom Instrument Maps Axiom Instrument Maps have been created for each of the Logic virtual instruments, which define the default mapping assignments for Axiom controls. The installer is available for download at [www.m-audio.com/drivers](http://www.m-audio.com/drivers) and includes maps for all Logic instruments.

Once the maps have been installed, DirectLink will assign Axiom controls to parameters within an open Logic instrument as described in Appendix A, "DirectLink Control Assignments." Please check the DirectLink web page periodically as maps for third party instruments will be released in the future. Changing DirectLink Control Assignments There is currently no way to change the parameter mappings for an Instrument in Logic itself. Logic does however have a powerful MIDI learn feature which enables you to define the parameter mappings for individual plug-ins outside of DirectLink as described below.

Axiom DirectLink for Logic Pro User Guide 12 Chapter 4: Instrument Mode The following instructions provide an overview of the process. Refer to the Logic Pro 9 User Manual, Logic Pro Control Surfaces Support Guide and Logic Studio Instruments Guide for more information. To reassign an Axiom control: Disengage the control from DirectLink by pressing its corresponding Group button. Press the Group E button for an Encoder, or Group F button for a Fader or Fader button. 1 2 3 4 5 Press Command + K on your computer keyboard to open Controller Assignments window opens in Logic. Click the Learn Mode button in the lower right of the window. Move a control on the Instrument in Logic. Move the Axiom control you are reassigning to issue the new mapping. Your new Instrument mapping will be stored with The Axiom Control Surface in Logic. @@@@ Opening and Closing an Instrument Window While DirectLink is in Instrument Mode, holding down the Shift button and pressing the Instrument button will open and close the window for the active instrument. Instrument Preset Selection Sound patches within virtual instruments are selected using the Axiom Patch buttons, when the instrument window is open or hidden.

Hiding an instrument window is not the same as closing it. Refer to the Logic User Manual for more information about hiding instrument or plug-in windows.

Adjusting Instrument Parameters When a mapped Axiom control is moved its parameter assignment and numerical or positional value will appear on the LCD screen. After one second the screen will revert to the track name. Axiom controls can be returned to Mixer Mode, at any time, by pressing the Instrument button. Refer to Chapter 3, "Axiom Controls with DirectLink" for more information about Axiom control types and their Instrument Mode functions. Axiom

DirectLink for Logic Pro User Guide 13 Chapter 4: Instrument Mode Appendix A: DirectLink Control Assignments The following tables list the default DirectLink control assignments for each Logic instrument once the Logic Pro Instrument Maps have been installed. EFM1 Encoder Knob E1 E2 E3 E4 E5 E6 E7 E8 Parameter Mod Harmonic Modulator Modulator FM FM Fixed Frequency Toggle FM Depth Carrier Harmonic LFO Rate LFO Rate Fader F1 F2 F3 F4 F4 F6 F7 F8 F9 Parameter Volume Env Attack Volume Env Decay Volume Env Sustain Volume Env Decay Mod Env Attack Mod Env Decay Mod Env Sustain Mod Env Release Volume Axiom DirectLink for Logic Pro User Guide 14 Appendix A: DirectLink Control Assignments Fader Buttons F10 F11 F12 F13 F14 F15 F16 F17 F18 Parameter n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a ES E Encoder Knob E1 E2 E3 E4 E5 E6 E7 E8 Parameter Filter Frequency Filter Resonance AR Int Velo Filter Waveform Vib/PWM Speed Velo Volume Axiom DirectLink for Logic Pro User Guide 15 Appendix A: DirectLink Control Assignments Fader F1 F2 F3 F4 F4 F6 F7 F8 F9 Parameter Attack Release n/a n/a n/a n/a n/a n/a Volume Fader Buttons F10 F11 F12 F13 F14 F15 F16 F17 F18 Parameter Octave Chorus n/a n/a n/a n/a n/a n/a Axiom DirectLink for Logic Pro User Guide 16 Appendix A: DirectLink Control Assignments ES M Encoder Knob E1 E2 E3 E4 E5 E6 E7 E8 Parameter Filter Cutoff Filter Resonance Filter Decay Filter Intensity Mix Glide Volume Decay Overdrive Fader F1 F2 F3 F4 F4 F6 F7 F8 F9 Parameter n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a Volume Axiom DirectLink for Logic Pro User Guide 17 Appendix A: DirectLink Control Assignments Fader Buttons F10 F11 F12 F13 F14 F15 F16 F17 F18 Parameter Octave n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a ES P Encoder Knob E1 E2 E3 E4 E5 E6 E7 E8 Parameter Filter Cutoff Filter Resonance Chorus Overdrive Vibrato/Wah Speed Velo Filter Velo Volume Axiom DirectLink for Logic Pro User Guide 18 Appendix A: DirectLink Control Assignments Fader F1 F2 F3 F4 F4 F6 F7 F8 F9 Parameter Attack Decay Sustain Release Triangle Sawtooth Rectangle Noise Volume Fader Buttons F10 F11 F12 F13 F14 F15 F16 F17 F18 Parameter Octave VCA Mode n/a n/a n/a n/a n/a n/a n/a n/a Axiom DirectLink for Logic Pro User Guide 19 Appendix A: DirectLink Control Assignments ES 1 Encoder Knob E1 E2 E3 E4 E5 E6 E7 E8 Parameter Filter Frequency Filter Resonance Filter Drive Filter Mode Waveform Sub Osc Waveform LFO Waveform LFO Rate Fader F1 F2 F3 F4 F4 F6 F7 F8 F9 Parameter Env Attack Env Decay Env Sustain Env Release Glide LFO Int 0 Mod Env Int 0 Mod Env Form Volume Axiom DirectLink for Logic Pro User Guide 20 Appendix A: DirectLink Control Assignments Fader Buttons F10 F11 F12 F13 F14 F15 F16 F17 F18 Parameter Octave Chorus VCA Mode n/a n/a n/a n/a n/a n/a n/a n/a ES 2 Encoder Knob E1 E2 E3 E4 E5 E6 E7 E8 Parameter MM Filter Cutoff MM Filter Resonance MM Filter Mode Drive LPF Cutoff LPF Resonance LPF Mode LPF FM Axiom DirectLink for Logic Pro User Guide 21 Appendix A: DirectLink Control Assignments Fader F1 F2 F3 F4 F4 F6 F7 F8 F9 Parameter Env3 Attack Env3 Decay Env3 Sustain Env3 Release ENV2 Attack ENV2 Decay ENV2 Sustain ENV2 Release Volume Fader Buttons F10 F11 F12 F13 F14 F15 F16 F17 F18 Parameter Keyboard Mode Unison FX Dist Type FX Mod Type n/a n/a n/a n/a n/a n/a Axiom DirectLink for Logic Pro User Guide 22 Appendix A: DirectLink Control Assignments EVB3 Encoder Knob E1 E2 E3 E4 E5 E6 E7 E8 Parameter Vibrato Vibrato Rate Chorus Rate EQ Low EQ Mid EQ High EQ Level Reverb Fader F1 F2 F3 F4 F4 F6 F7 F8 F9 Parameter UM 16' UM 5 -1/3' UM 8' UM 4 UM 2 -2/3' UM 2 UM 1 -3/5' UM 1 -1/3' Axiom DirectLink for Logic Pro User Guide 23 Appendix A: DirectLink Control Assignments Fader Buttons F10 F11 F12 F13 F14 F15 F16 F17 F18 Parameter Cabinet Rotor Speed Reverb Mode Vibrato Upper Vibrato Lower Percussion Percussion Mode Percussion Harmonic n/a EVD6 Encoder Knob E1 E2 E3 E4 E5 E6 E7 E8 Parameter Comp Ratio Dist Tone Dist Gain Mod FX Rate Mod FX Intensity Mod FX Mode Wah Range Wah Envelope Axiom DirectLink for Logic Pro User Guide 24 Appendix A: DirectLink Control Assignments Fader F1 F2 F3 F4 F4 F6 F7 F8 F9 Parameter String Decay String Release String Damping Tension Mod String Stiffness String Inharmonicity Pitch Fall Brilliance Volume Fader Buttons F10 F11 F12 F13 F14 F15 F16 F17 F18 Parameter Brilliant Treble Medium Soft Pickup Mode Pickup CD Pickup AB Model n/a Axiom DirectLink for Logic Pro User Guide 25 Appendix A: DirectLink Control Assignments EVOC 20 Encoder Knob E1 E2 E3 E4 E5 E6 E7 E8 Parameter Filter Cutoff Filter Resonance Low Frequency High Frequency Resonance Formant Stretch Formant Shift Analog Fader F1 F2 F3 F4 F4 F6 F7 F8 F9 Parameter ENV Attack ENV Release Attack Release LFO Rate LFO2 Rate Noise

Color Noise Volume Volume Axiom DirectLink for Logic Pro User Guide 26 Appendix A: DirectLink Control Assignments Fader Buttons F10 F11 F12 F13 F14 F15 F16 F17 F18 Parameter LowBand Mode HighBand Mode Kybd Mode Unison LFO Waveform LFO2 Waveform Ensemble n/a n/a EVP88 Encoder Knob E1 E2 E3 E4 E5 E6 E7 E8 Parameter EQ Treble EQ Bass Drive Gain Drive Tone Phaser Rate Tremolo Rate Tremolo Intensity Chorus Intensity Axiom DirectLink for Logic Pro User Guide 27 Appendix A: DirectLink Control Assignments Fader F1 F2 F3 F4 F4 F6 F7 F8 F9 Parameter Decay Release Bell Volume Damper Volume Stereo Intensity Lower Stretch Upper Stretch Warmth Volume Fader Buttons F10 F11 F12 F13 F14 F15 F16 F17 F18 Parameter n/a n/a n/a n/a n/a n/a n/a n/a n/a Axiom DirectLink for Logic Pro User Guide 28 Appendix A: DirectLink Control Assignments EXS24 Encoder Knob E1 E2 E3 E4 E5 E6 E7 E8 Parameter Filter Cutoff Filter Resonance Drive Filter Key Tracking Glide Time Pitcher Pitcher via Velocity Level via Velocity Fader F1 F2 F3 F4 F4 F6 F7 F8 F9 Parameter ENV1 Attack ENV1 Decay ENV1 Sustain ENV1 Release ENV2 Attack ENV2 Decay ENV2 Sustain ENV2 Release Volume Axiom DirectLink for Logic Pro User Guide 29 Appendix A: DirectLink Control Assignments Fader Buttons F10 F11 F12 F13 F14 F15 F16 F17 F18 Parameter Filter Type Filter Fat Filter On/Off LFO1 Wave LFO2 Wave Unison Mono Mode n/a n/a Klopfsgeist Encoder Knob E1 E2 E3 E4 E5 E6 E7 E8 Parameter Tonality Note Off Damp Tune Detune Mode n/a n/a Level Min Vel Axiom DirectLink for Logic Pro User Guide 30 Appendix A: DirectLink Control Assignments Fader F1 F2 F3 F4 F4 F6 F7 F8 F9 Parameter n/a n/a n/a n/a n/a n/a n/a n/a n/a Volume Fader Buttons F10 F11 F12 F13 F14 F15 F16 F17 F18 Parameter n/a n/a n/a n/a n/a n/a n/a n/a n/a Axiom DirectLink for Logic Pro User Guide 31 Appendix A: DirectLink Control Assignments Sculpture Encoder Knob E1 E2 E3 E4 E5 E6 E7 E8 Parameter Filter Cutoff Filter Resonance String Resonance String Media Loss String Tension Modulation EQ Low EQ Mid EQ High Fader F1 F2 F3 F4 F4 F6 F7 F8 F9 Parameter Amp Env Attack Hard Amp Env Attack Soft Amp Env Decay Amp Env Sustain Amp Env Release Delay Wet Level Delay Feedback Delay Cross Feed Volume Axiom DirectLink for Logic Pro User Guide 32 Appendix A: DirectLink Control Assignments Fader Buttons F10 F11 F12 F13 F14 F15 F16 F17 F18 Parameter Filter On/Off Filter Type EQ On/Off EQ Model Delay On/Off Delay Time Mode Kybd Mode Limiter Mode n/a Ultra Beat Encoder Knob E1 E2 E3 E4 E5 E6 E7 E8 Parameter Filter Cutoff Filter Resonance Crush Drive Crush Downsample Crush Clip Level Noise Cutoff Noise Resonance Noise Dirt Axiom DirectLink for Logic Pro User Guide 33 Appendix A: DirectLink Control Assignments Fader F1 F2 F3 F4 F4 F6 F7 F8 F9 Parameter OSC1 Saturation OSC1 Asymmetry OSC1 Slope OSC1 Pitch OSC1 Pitch via Vel OSC1 Level OSC1 LevelMod Amount n/a Volume Fader Buttons F10 F11 F12 F13 F14 F15 F16 F17 F18 Parameter OSC1 On/Off OSC1 Type Level Source Noise On/Off Noise Filter Type n/a Sequencer On/Off Start/Stop Sequencer n/a Axiom DirectLink for Logic Pro User Guide 34 Appendix A: DirectLink Control Assignments Avid 5795 Martin Road Irwindale, CA 91706-6211 USA Technical Support (USA) Visit the Online Support Center at www.



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