

## M-AUDIO Avid KeyStudio

# M-AUDIO Avid KeyStudio 49-Key USB MIDI Keyboard Controller User Manual

Model: Avid KeyStudio

## 1. INTRODUCTION

The M-AUDIO Avid KeyStudio is a 49-key, velocity-sensitive, synth-action USB MIDI keyboard controller designed for music creation and performance. It provides essential controls for interacting with digital audio workstations (DAWs) and virtual instruments.

Key features include:

- 49 velocity-sensitive keys for expressive playing.
- Assignable modulation wheel for vibrato and filter effects.
- Pitch bend wheel for expressive performances.
- Volume slider for output level control.
- Octave and transpose buttons to adjust the keyboard's range.



Figure 1: Angled view of the M-AUDIO Avid KeyStudio 49-Key USB MIDI Keyboard Controller.

## 2. SAFETY INFORMATION

Please read and understand the following safety precautions before operating the Avid KeyStudio:

- **Power Source:** Connect the device only to a USB port that meets the specified power requirements.
- **Moisture:** Do not expose the unit to rain, moisture, or excessive humidity.
- **Heat:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.

- **Cleaning:** Clean only with a dry cloth. Do not use liquid cleaners or aerosols.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Placement:** Place the unit on a stable, flat surface to prevent accidental falls.

### 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Avid KeyStudio 49-Key USB MIDI Keyboard Controller
- USB Cable
- M-Audio Micro USB Audio Interface (may be included with some bundles)
- Software Installation Disc (e.g., Pro Tools SE)
- User Manual (this document)



Figure 2: Avid KeyStudio product packaging, indicating included components.



Figure 3: The M-Audio Micro USB Audio Interface, often bundled with the KeyStudio.

## 4. SETUP

### 4.1 Hardware Connection

1. Connect one end of the supplied USB cable to the USB port on the back of the Avid KeyStudio.
2. Connect the other end of the USB cable to an available USB port on your computer. The KeyStudio is USB bus-powered and does not require an external power adapter.
3. If using the M-Audio Micro USB Audio Interface, connect it to another available USB port on your computer.



Figure 4: Rear panel of the Avid KeyStudio with the USB port for computer connection.

## 4.2 Software Installation

The Avid KeyStudio typically includes a software bundle, such as Pro Tools SE, and requires drivers for full functionality. Follow these steps:

1. Insert the software installation disc into your computer's optical drive. If no disc is provided or your computer lacks an optical drive, download the latest drivers and software from the official M-Audio website.
2. Follow the on-screen instructions to install the necessary drivers for the Avid KeyStudio. It is recommended to install drivers before connecting the keyboard for the first time.
3. Install the bundled software (e.g., Pro Tools SE) as per its specific instructions.
4. After installation, restart your computer if prompted.
5. Once your computer has restarted, connect the Avid KeyStudio via USB. The operating system should recognize the device.



Figure 5: The Avid KeyStudio connected to a computer, ready for use with music production software.

## 5. OPERATING INSTRUCTIONS

### 5.1 Controls Overview

The Avid KeyStudio features a straightforward layout for intuitive control:



Figure 6: Top view of the Avid KeyStudio, highlighting its main controls.

- **49 Velocity-Sensitive Keys:** These keys respond to how hard you press them, allowing for dynamic musical expression.
- **Pitch Bend Wheel:** Located on the left, this wheel allows you to momentarily raise or lower the pitch of notes for expressive effects.
- **Modulation Wheel:** Also on the left, this wheel is typically assigned to control vibrato, filter cutoff, or other continuous parameters within your software.
- **Volume Slider:** Adjusts the MIDI output volume. This controls the volume within your software, not the physical output of the keyboard itself.
- **Octave Buttons:** Use these buttons to shift the entire keyboard's range up or down in octaves. This allows access to a wider range of notes than the 49 physical keys provide.
- **Transpose Buttons:** These buttons allow you to shift the pitch of the keyboard up or down in semitone increments.
- **Edit Mode Button:** This button is used to access advanced configuration options. Refer to the software documentation for specific functions.

## 5.2 Using with Software

The Avid KeyStudio functions as a MIDI controller, sending MIDI data to your computer. It is compatible with most Digital Audio Workstations (DAWs) and music software, including the bundled Pro Tools SE, GarageBand, FL Studio, and REAPER.

1. **Launch your DAW:** Open your preferred music software (e.g., Pro Tools SE).
2. **Select MIDI Input:** In your DAW's preferences or settings, ensure that the Avid KeyStudio is selected as a MIDI input device.
3. **Load an Instrument:** Create a new track and load a virtual instrument (e.g., piano, synth, drums).
4. **Play and Record:** You can now play the virtual instrument using the KeyStudio's keys and controls. Use the DAW's recording functions to capture your performance.

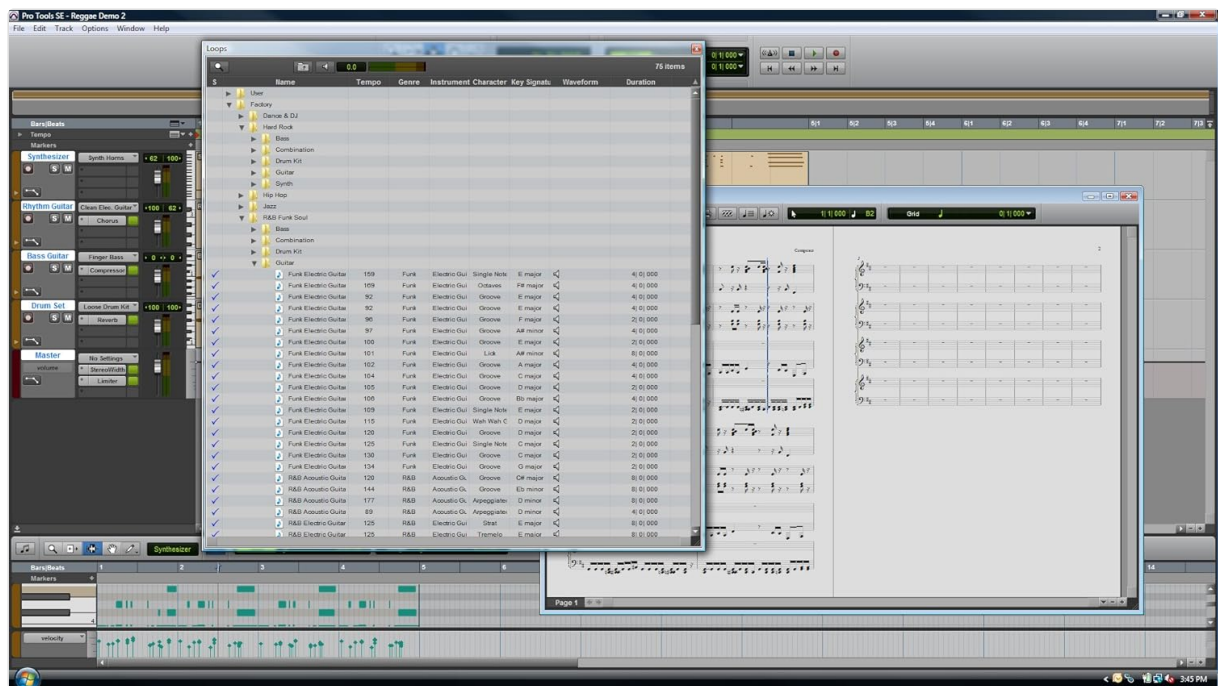


Figure 7: Example of the Pro Tools SE software interface, where the KeyStudio can control virtual instruments.

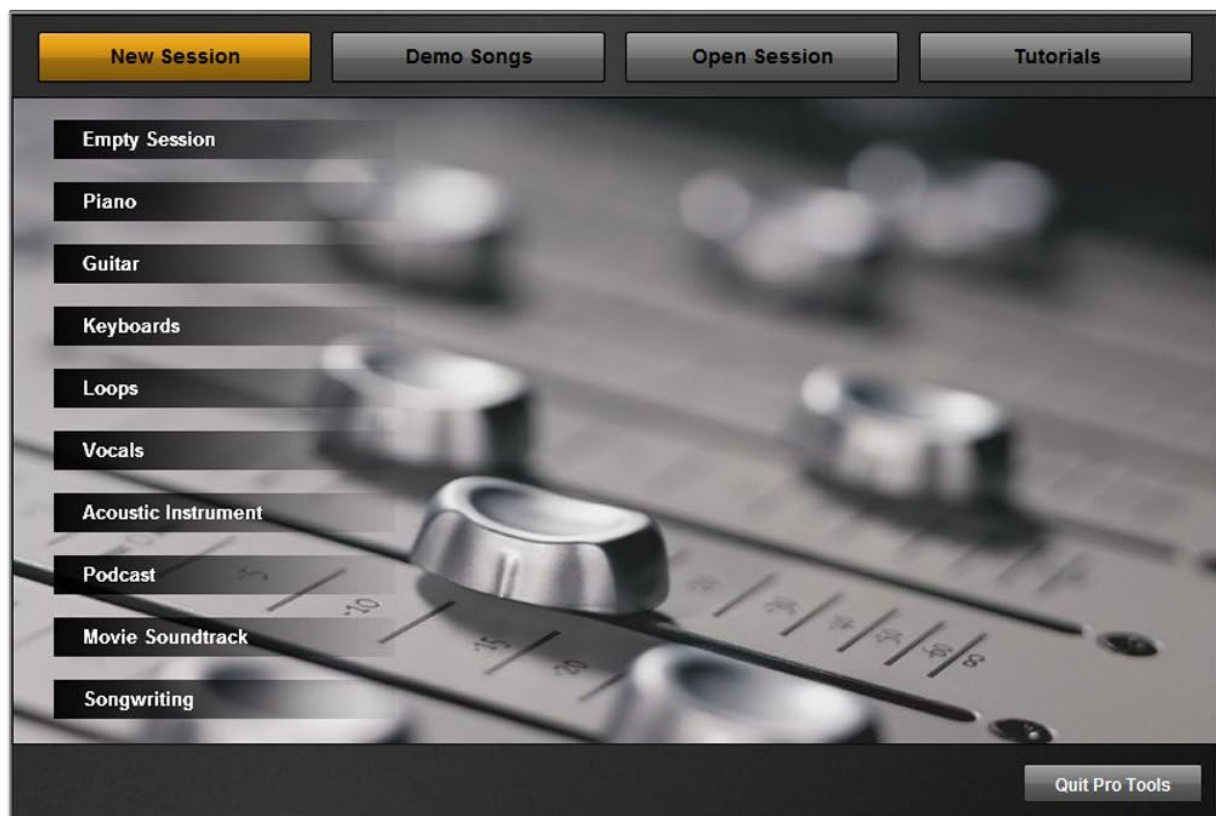


Figure 8: Pro Tools SE 'New Session' screen, allowing selection of various project templates.

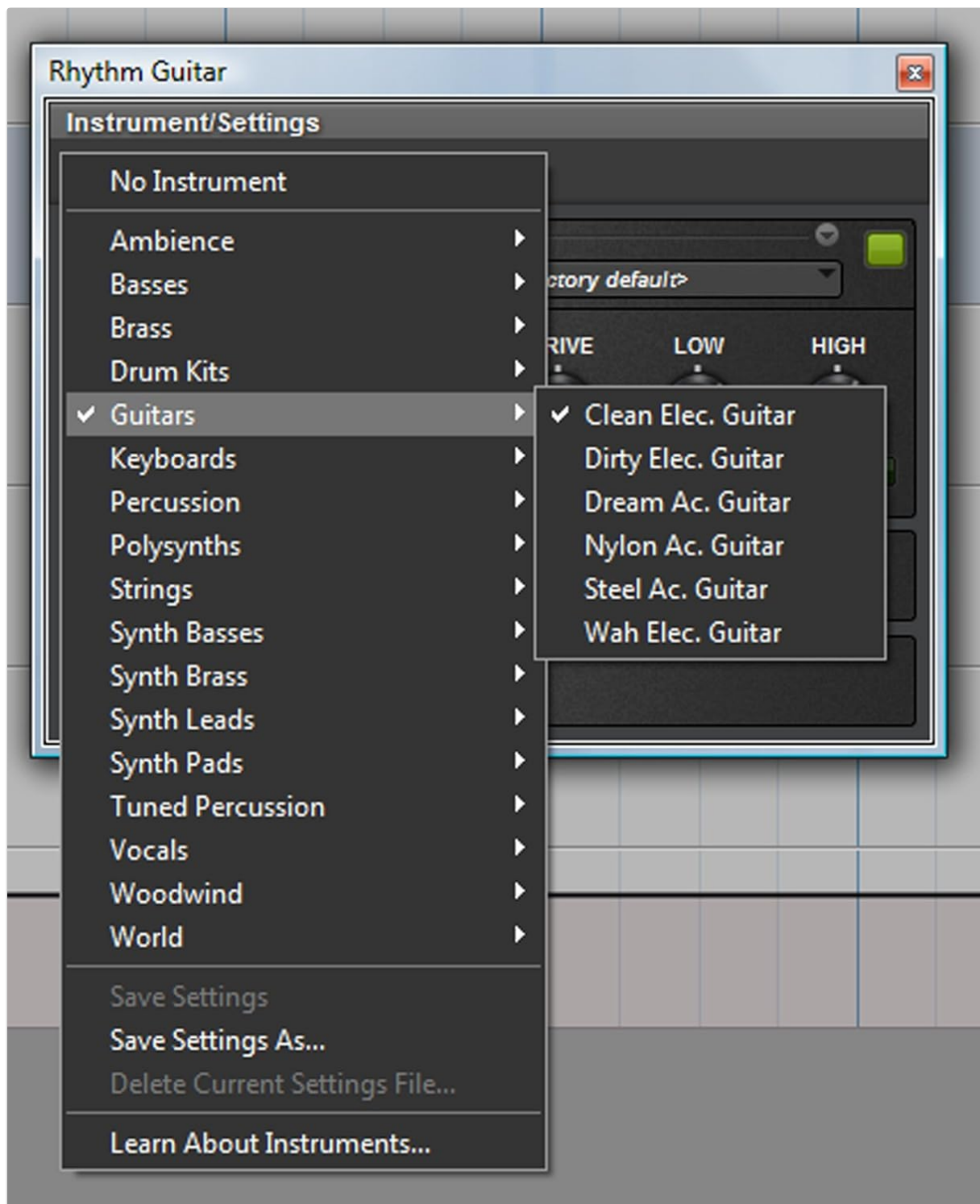


Figure 9: Selecting a virtual instrument (Guitars) within Pro Tools SE.

## 6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Avid KeyStudio.

- **Cleaning:** Use a soft, dry, lint-free cloth to wipe the surface of the keyboard. Avoid abrasive cleaners, solvents, or waxes.
- **Storage:** When not in use, store the keyboard in a clean, dry environment, away from direct sunlight and extreme temperatures. Consider using a dust cover.
- **Handling:** Avoid dropping the keyboard or subjecting it to strong impacts. Do not place heavy objects on top of it.

## 7. TROUBLESHOOTING

If you encounter issues with your Avid KeyStudio, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Keyboard not recognized by computer/software.	<ul style="list-style-type: none"><li>• Ensure the USB cable is securely connected to both the keyboard and the computer.</li><li>• Try a different USB port on your computer.</li><li>• Verify that the correct drivers are installed. Reinstall drivers if necessary, downloading the latest version from the M-Audio website.</li><li>• Check your DAW's MIDI settings to ensure the KeyStudio is selected as an active input device.</li><li>• Restart your computer.</li></ul>
No sound when playing keys.	<ul style="list-style-type: none"><li>• Confirm that a virtual instrument is loaded and armed for recording/playback in your DAW.</li><li>• Check the volume slider on the KeyStudio and the master volume within your software and operating system.</li><li>• Ensure your audio output device (speakers/headphones) is correctly connected and functioning.</li></ul>
Keys feel unresponsive or inconsistent velocity.	<ul style="list-style-type: none"><li>• This is a velocity-sensitive keyboard; playing harder produces louder notes.</li><li>• Check if your software has velocity curve settings that might be affecting responsiveness.</li></ul>
Software crashes during installation or use.	<ul style="list-style-type: none"><li>• Ensure your computer meets the minimum system requirements for the software.</li><li>• Install all available operating system updates.</li><li>• Temporarily disable antivirus software during installation.</li><li>• Consult the software's specific troubleshooting guide or support resources.</li></ul>

## 8. SPECIFICATIONS

Feature	Detail
Keys	49, velocity-sensitive, synth-action
Connectivity	USB
Controls	Pitch Bend Wheel, Modulation Wheel, Volume Slider, Octave Up/Down Buttons, Transpose Buttons, Edit Mode Button

Feature	Detail
Power	USB Bus-Powered
Item Weight	6.5 pounds (2.95 kg)
Product Dimensions	34 x 4 x 9.5 inches (86.36 x 10.16 x 24.13 cm)
Model Number	Avid KeyStudio
UPC	763615778978, 777785735495, 613570227335
First Available	September 16, 2010

## 9. WARRANTY AND SUPPORT

M-AUDIO products are covered by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official M-AUDIO website.

For technical support, driver downloads, and additional resources, please visit the M-AUDIO support page:

<https://www.m-audio.com/support>

When contacting support, please have your product model (Avid KeyStudio) and serial number ready.