

Midiplus AKM320L

Midiplus AKM320L 32-Key MIDI Keyboard Controller User Manual

Model: AKM320L

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1. INTRODUCTION

Thank you for purchasing the Midiplus AKM320L MIDI Keyboard Controller. This manual provides detailed instructions for setting up, operating, and maintaining your device. The AKM320L is a compact and portable 32-key velocity-sensitive MIDI controller designed for music production and performance, offering enhanced key action and a range of features for creative expression.

2. PRODUCT OVERVIEW

2.1 Key Features

- 32 velocity-sensitive, mid-sized keys with improved key action.
- Compact and stable design, suitable for desktop use and portability.
- Features include Transposition (+/-), Reverb (ON/OFF), Speed, and Velocity Curve (NORM/HEAVY/SOFT/VEL) controls.
- Integrated Arpeggio mode (ARP mode) with Arp TIME adjustment.
- Keyboard Scale (SCALE) buttons for various musical scales.
- Connectivity options: Sustain pedal input port, MIDI OUT, and USB interface.
- Includes Cubase LE 10.5 Download Access Code for music production software.

2.2 Package Contents

Ensure all items are present in the package:

- Midiplus AKM320L MIDI Keyboard Controller
- USB Cable
- Cubase LE 10.5 Download Access Code

- User Manual (this document)

2.3 Product Views

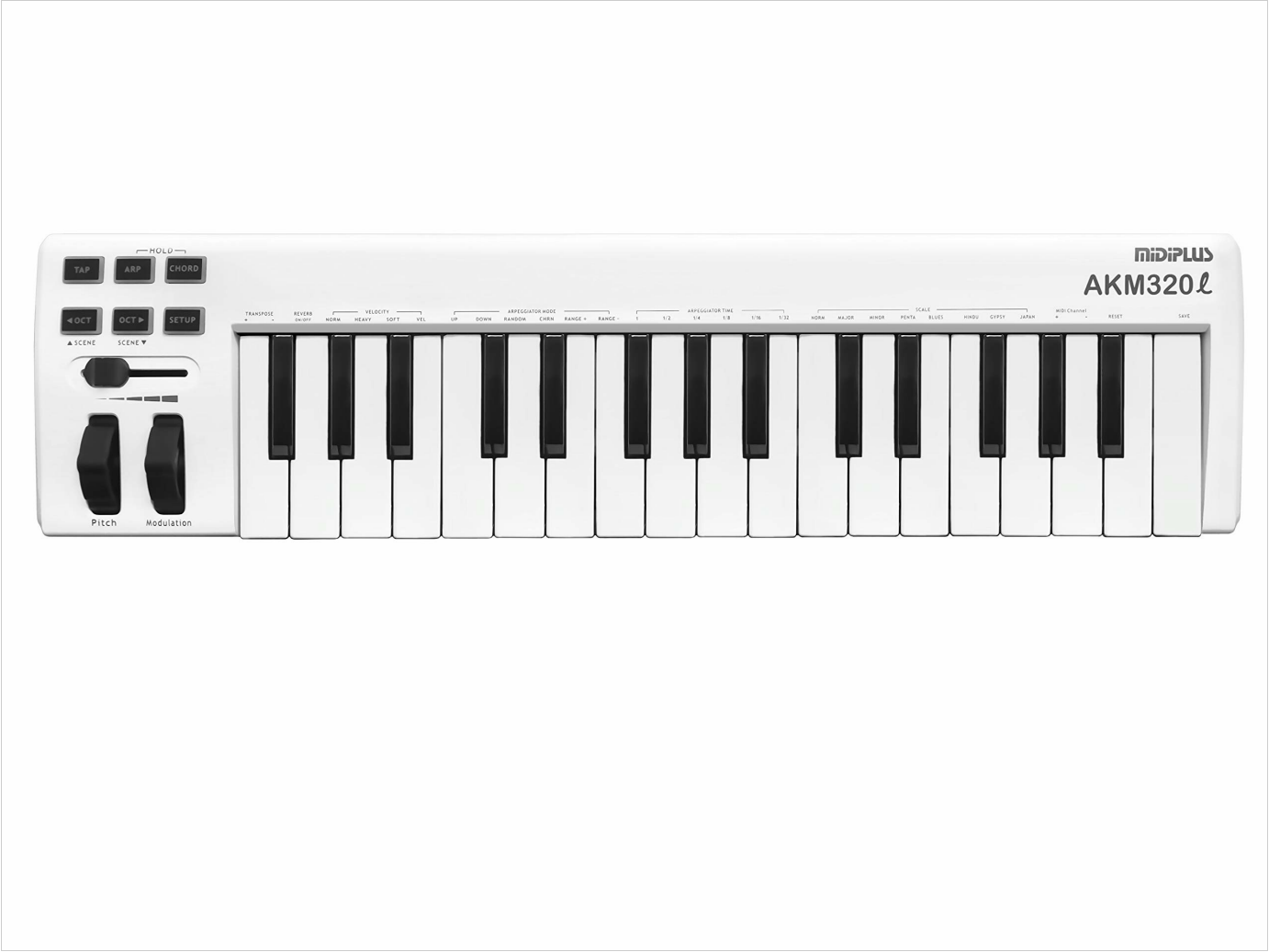


Figure 1: Midiplus AKM320L MIDI Keyboard Controller overview.



Figure 2: Top view of the AKM320L, showing keys and control panel.



Figure 3: Detailed view of the left-hand control section, including Pitch and Modulation wheels, OCTAVE, TAP, ARP, CHORD, and SETUP buttons.



Figure 4: Side view of the AKM320L, highlighting the Sustain pedal input, MIDI OUT, and USB ports.

3. SETUP

Follow these steps to set up your Midiplus AKM320L MIDI Keyboard Controller:

1. **Connect via USB:** Connect the supplied USB cable from the AKM320L's USB port to an available USB port on your computer (PC or Mac). The device is USB class-compliant and typically does not require additional drivers.
2. **Power Supply:** The AKM320L is powered via the USB connection. No external power adapter is required for basic

operation.

3. **MIDI OUT Connection:** If connecting to an external MIDI device (e.g., a sound module or synthesizer) that does not support USB MIDI, use a standard MIDI cable to connect the AKM320L's MIDI OUT port to the MIDI IN port of your external device.
4. **Sustain Pedal:** Connect an optional sustain pedal (not included) to the Sustain pedal input port for expressive control.
5. **Software Setup:**
 - Open your Digital Audio Workstation (DAW) software (e.g., Cubase LE 10.5, which is included).
 - Navigate to the MIDI settings or preferences within your DAW.
 - Select "AKM320L" or "Midiplus MIDI" as your MIDI input device.
 - Ensure the MIDI input is enabled for the tracks you wish to record or play.

4. OPERATING INSTRUCTIONS

The AKM320L offers a range of controls for musical expression and customization.

4.1 Keyboard Keys

- **32 Velocity-Sensitive Keys:** The keys respond to how hard you press them, allowing for dynamic control over your sound.

4.2 Control Panel Functions

The control panel on the left side of the keyboard provides access to various parameters.

- **Pitch Bend Wheel:** Allows for real-time pitch modulation.
- **Modulation Wheel:** Typically controls vibrato or other assignable parameters in your software.
- **OCTAVE Buttons (◀ OCT / OCT ▶):** Adjust the keyboard's octave range up or down.
- **TAP Button:** Used for setting the tempo for the Arpeggiator or other time-based functions.
- **ARP Button (Arpeggiator):** Activates and deactivates the arpeggiator. When active, played chords will be broken into individual notes played in sequence.
- **CHORD Button:** Allows for playing chords with a single key press. Refer to the full manual for chord programming.
- **SETUP Button:** Enters setup mode to configure advanced parameters.
- **SCENE Buttons (▲ SCENE / SCENE ▼):** Selects different scene presets, allowing you to quickly switch between custom configurations.

4.3 Advanced Functions (via SETUP mode)

Press the **SETUP** button to access and modify the following parameters. Use the keyboard keys to select options as indicated by the labels above the keys.

- **TRANPOSE (+/-):** Adjusts the pitch of the entire keyboard up or down in semitone steps.
- **REVERB (ON/OFF):** Toggles the reverb effect. Note that this typically controls a MIDI CC message that your software or external device must interpret.
- **VELOCITY CURVE (NORM/HEAVY/SOFT/VEL):** Selects different velocity response curves to match your playing style.
 - *NORM:* Standard velocity response.
 - *HEAVY:* Requires harder key presses for higher velocities.
 - *SOFT:* Generates higher velocities with lighter key presses.

- **VEL:** Custom velocity setting (refer to full manual for details).
- **ARPEGGIO MODE (UP/DOWN/RANDOM/CHORD/RANGE):** Configures the arpeggiator's playback pattern.
- **ARP TIME (1/4, 1/8, 1/16, 1/32):** Sets the speed of the arpeggiator.
- **SCALE (NORM/MAJOR/MINOR/BLUES/JAPAN/CHINESE):** Applies a specific musical scale to the keyboard, quantizing notes played to that scale.
- **MIDI Channel:** Selects the MIDI channel (1-16) for transmitting MIDI data.
- **RESET:** Resets the controller to factory default settings.

5. MAINTENANCE

Proper care will ensure the longevity of your AKM320L controller.

- **Cleaning:** Use a soft, dry cloth to wipe the surface of the controller. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Avoid abrasive cleaners, solvents, or waxes.
- **Storage:** Store the device in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Handling:** Avoid dropping the device or subjecting it to strong impacts. Do not place heavy objects on top of the keyboard.
- **Liquid Exposure:** Keep liquids away from the controller. If liquid enters the device, disconnect it immediately and seek professional service.

6. TROUBLESHOOTING

If you encounter issues with your AKM320L, refer to the following common solutions:

- **No Sound from Software:**
 - Ensure the AKM320L is correctly connected via USB and recognized by your computer.
 - Verify that the AKM320L is selected as the MIDI input device in your DAW's preferences.
 - Check that the track in your DAW is armed for recording or monitoring and has an instrument loaded.
 - Confirm your computer's audio output is working and volume is up.
- **Keys Not Responding:**
 - Ensure the USB cable is securely connected.
 - Try connecting to a different USB port on your computer.
 - Restart your computer and DAW software.
 - Check if the MIDI channel on the AKM320L matches the receiving channel in your software/device.
- **Controls Not Working (Pitch/Mod Wheels, Buttons):**
 - Ensure the controller is powered on and connected.
 - Verify that your DAW or external device is configured to receive MIDI CC messages from the AKM320L.
 - Perform a factory reset (refer to the **RESET** function in Section 4.3).

7. SPECIFICATIONS

Model Name	AKM320L
Number of Keys	32

Key Type	Velocity Sensitive, Mid-size
Connectivity	USB, MIDI OUT, Sustain Pedal Input
Hardware Interface	USB
Compatible Devices	Laptop, PC, Mac
Supported Software	Cubase (LE 10.5 included)
Color	White
Material Type	Plastic
Item Weight	2.88 pounds (1.31 kg)
Package Dimensions	22.25 x 7 x 3.75 inches (56.5 x 17.8 x 9.5 cm)

8. WARRANTY AND SUPPORT

Midiplus products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included with your product or visit the official Midiplus website. Keep your proof of purchase for warranty claims.

For technical support, product inquiries, or service, please contact Midiplus customer support through their official website or the contact information provided with your purchase.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question