AKAI PROFESSIONAL

# MPK mini IV

## User Guide

English

Manual Version 1.2

# Table of Contents

# Introduction

**Important:** Before you use MPK® mini IV for the first time, we recommend checking for available firmware updates. These updates add exciting new features and improvements, so staying up-to-date ensures the best experience with MPK® mini IV. Visit **akaipro.com** and go to the MPK® mini IV product page to check for available updates for download, then follow the instructions to update your device.

## Box Contents

MPK® mini IV

USB-C® Cable

Quickstart Guide

## Support

To get started with MPK® mini IV and download your included software, visit **inmusic.to/mini4begin**.

For additional product support, visit **support.akaipro.com**.

## About This User Guide

This manual should help you get familiar with using your MPK® mini IV. We use specific formatting to indicate particular topics of significance:

**Important/Note/Tip**: Important or helpful information on a given topic.

Names of buttons, controls, parameters, settings, and other options are written in **bold** characters throughout the manual.

**Examples**:

Press and hold the **SHIFT** button and press **PAD 5** to enter **CHORDS** mode for the keyboard.

When you are finished editing, press the **PLUGIN/DAW** button to exit.

Some parts of this manual refer to other relevant chapters or sections, which are cited in ***bold, italic blue*** characters. Click the text to skip immediately to that section.

**Examples:**

See the following ***Operation > Keyboard Modes*** section to learn more.

In ***Chords Mode***, each key plays a chord comprised of three or more notes in sync.

You can also click on certain images to jump to specific sections of the manual.

# Setup

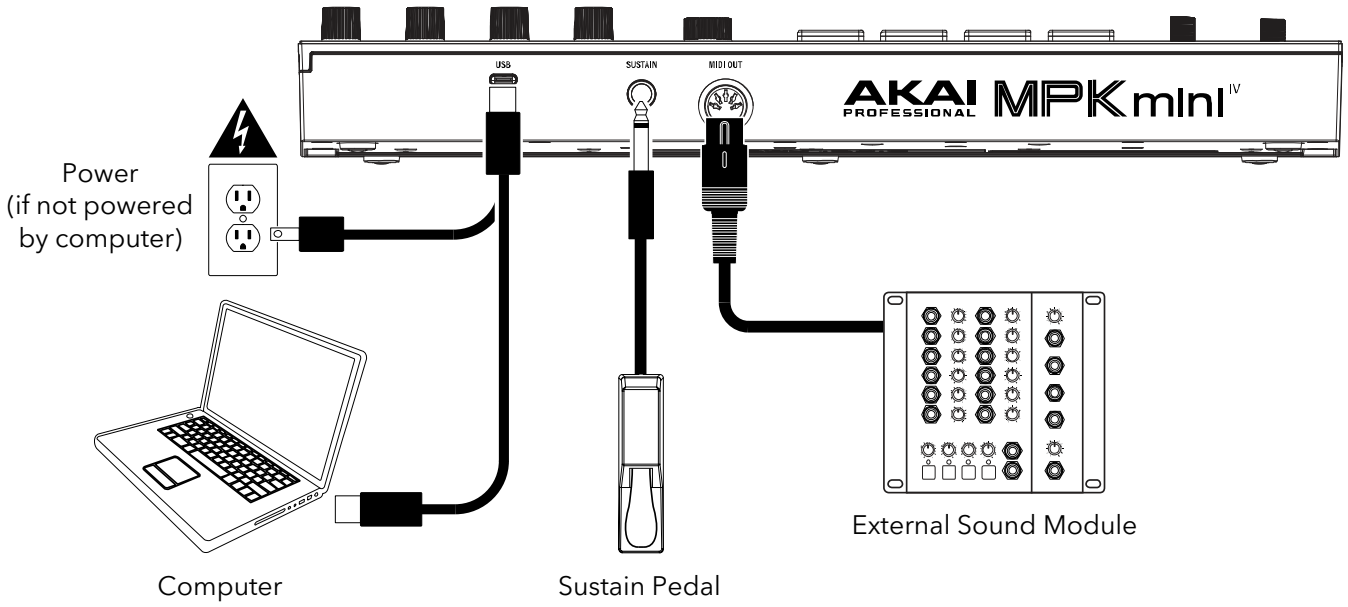
This chapter describes how to set up your MPK® mini IV with other equipment and several kinds of compatible software.

For an overview of MPK® mini IV's controls, proceed to the following ***Features*** chapter.

For additional information on MPK® mini IV's features and functions, proceed to the ***Operation*** chapter.

## Connection Diagram

Pictured below is an example of how to set up MPK® mini IV with other equipment. Note that items not listed under the ***Box Contents*** are sold separately.



## Setup with Studio Instrument Collection

MPK® mini IV includes Studio Instrument Collection, a new virtual instrument that features a vast palette of sounds from Akai Professional, AIR Music Technology, and Moog.

Studio Instrument Collection works seamlessly with MPK® mini IV. Simply connect the device to your computer, open the software, and press the **PLUGIN/DAW** button so the PLUGIN preset is loaded. Studio Instrument Collection will automatically recognize and connect with your MPK® mini IV which can then be used to browse presets, adjusts parameters, and trigger sounds from the keys and pads.

For more information on Studio Instrument Collection, open the **User Guide** included with the software. Click the link here, or click the ☰ icon in the upper-right corner of Studio Instrument Collection and then select **Open Software Manual**.

## Setup with Other Software

MPK® mini IV is also compatible with the latest versions of the following software. You must first download and install the associated control script for each DAW. Click the links below to find detailed setup guides for each supported program.

- **Ableton Live 11 & 12**
- **FL Studio**
- **Logic Pro**
- **GarageBand**
- **Cubase**
- **Bitwig Studio**

**IMPORTANT:** Windows users should also download and install the Windows MIDI Driver by going to inmusic.to/mpkivdriver.

## About MIDI Ports

MPK® mini IV features five different MIDI ports that are used for communication. Understanding what these ports are used for can help you set it up properly with your software or hardware.

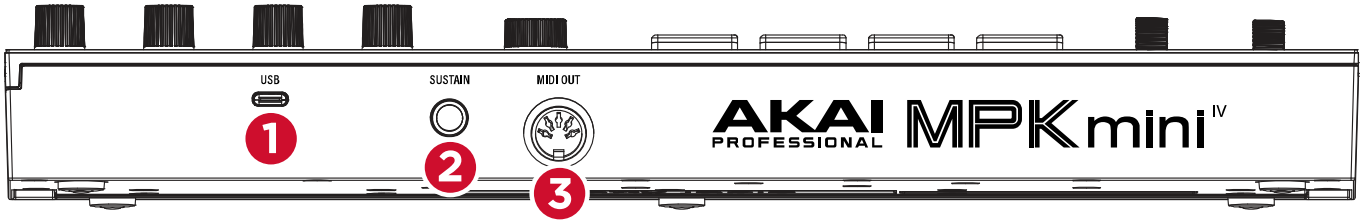
| Port # | Name | Description |
|---|---|---|
| 1 | MPK Mini IV MIDI Port | This port will send keybed, drum pad, pitch and modwheel, sustain pedal, and knob control data.<br>Messages sent to this port are expected to be recorded and edited by a Host DAW. Messages received from this port can be resent to the physical 5-pin MIDI output port, depending on the settings.<br>All Presets will send MPK® mini IV performance data on this port by default. |
| 2 | MPK Mini IV DAW Port | This port will send all interface controls, screen controls, and transport controls to a connected supported DAW.<br>When using the **DAW** Preset, this port must be enabled in the DAW software to access the DAW control script. |
| 3 | MPK Mini IV Plugin Port | This port will send all interface controls, screen controls, and transport controls to the Studio Instrument Collection (SIC) software.<br>When using the **Plugin** Preset, this port must be enabled in the SIC software to access the SIC control script. |
| 4 | MPK Mini IV Software Control Port | This port will send all interface controls, screen controls, and transport controls for generic mapping. |
| 5 | MPK Mini IV Din Port | This port is the physical 5-pin MIDI output on the rear panel of MPK® mini IV.<br>You can choose to send incoming MIDI data from the USB-C® port or the internal hardware MIDI data to this port by adjusting the **DINsrc** setting in the ***Global Menu***. |

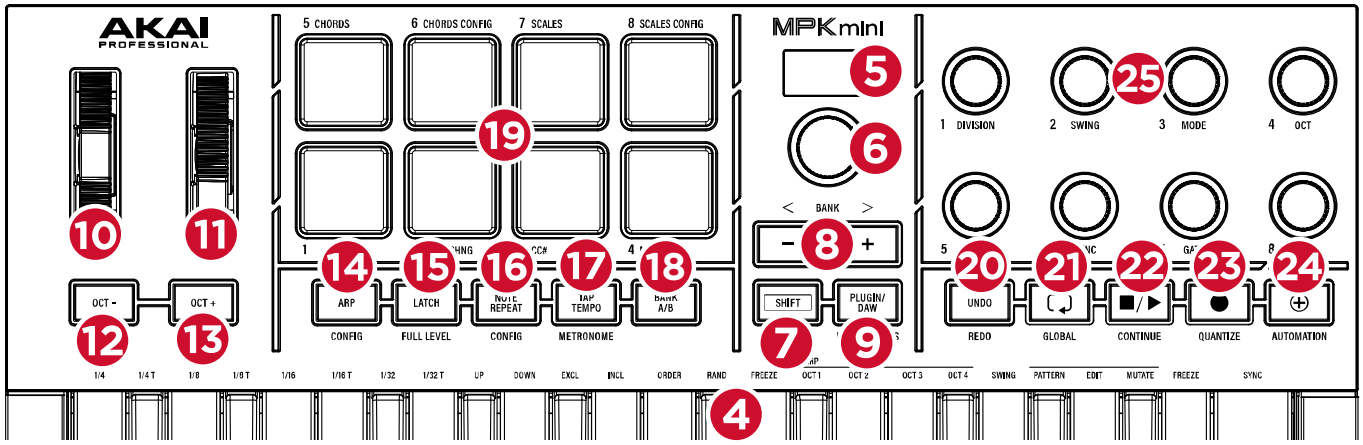
**Note:** For Windows users, the ports appear as listed above only when the Windows MIDI Driver is installed.

# Features

This chapter describes the functions of MPK® mini IV's controls. Click on the picture to jump directly to the selected control.

For more information on using some of the features described below, proceed to the following ***Operation*** chapter.




1. **USB-C® Port:** Use the included cable to connect this port to a USB port on your computer. This will allow you to send and receive MIDI data and communicate with software, such as the included Studio Instrument Collection or Ableton Live.

   You can also power MPK® mini IV by connecting to a 5V, 0.5A power adapter. This can be useful when using it in conjunction with other external MIDI equipment.

2. **Sustain:** Connect an optional 1/4" (6.35 mm) TS sustain pedal to this port. Sustain pedals can be used to hold the sound you are playing without having to keep your fingers pressed down on the keys.

3. **MIDI Out:** Connect optional external gear using this 5-pin MIDI DIN output port. This allows you to control synthesizers, drum machines, or other types of instruments that use MIDI using your MPK® mini IV. You can use the ***Global Menu*** to determine whether data sent to this port comes from the USB-C® Port or the internal hardware MIDI.

4. **Keyboard:** MPK® mini IV features a 25-note, velocity-sensitive keyboard. This means that the keys react to how hard you play them: the harder you strike, the louder the note.

   These keys can also be configured to play individual notes, entire chords of multiple notes, or specific scales of notes. See the following ***Operation > Keyboard Modes*** section to learn more.

5. **Display:** The display on MPK® mini IV provides instant visual feedback as you play, and displays information when connected to supported software like the Studio Instrument Collection. You can also use this display to edit various settings described in the following ***Operation*** chapter.

6. **Encoder:** Turn this knob to select and adjust settings options on the display screen and push it to select. When using editing menus, the encoder functions as follows:
   i. Turn the encoder to select a parameter for editing.
   ii. Press the encoder to open the options for the selected parameter.
   iii. Turn the encoder to browse the options.
   iv. Press the encoder to select an option and return to the list of parameters.

7. **SHIFT:** This button provides access to secondary functions on MPK® mini IV. Press and hold it and then press another button or pad to access its secondary function. These are printed below or above the selected control, and are highlighted in the descriptions below.

8. **-/+:** Press these buttons to decrease or increase the current parameter.

9. **PLUGIN/DAW**: Press this button to toggle between **Plugin** and **DAW** control modes. Use **Plugin** mode when using the included Studio Instrument Collection plugin or standalone application for seamless control. Use **DAW** mode when using MPK® mini IV with other digital audio workstation software.

   **USER PRESETS:** Hold **Shift** and press this button to open the **User Presets** menu on the Display. Turn the **encoder** to browse presets, and then press it to load. You can use the ***Program Edit*** function to edit user programs.

10. **Pitch Wheel:** The pitch bend wheel is primarily used to bend the notes played on the keyboard up or down. This allows you to play phrases not normally associated with keyboard playing, such as guitar-style riffs.

11. **Modulation Wheel:** The modulation wheel is typically used to add variation for the sound you are playing. This type of real-time controller was originally introduced on electronic keyboard instruments to give the performer options such as adding vibrato, just like the players of acoustic instruments do.

12. **OCT -:** Press this button to shift the range of the keyboard up down octave at a time.

    **PROG EDIT:** Hold **SHIFT** and press this button to open the ***Program Edit*** menu, where you can create custom user presets.

13. **OCT +:** Press this button to shift the range of the keyboard up one octave at a time.

    **SAVE:** Hold **SHIFT** and press this button to Save the current program as a user preset.

**Tip:** Press the **OCT -** and **OCT +** buttons at the same time to reset the octave setting.

14. **ARP:** Press this button to enable the ***Arpeggiator***.

    **CONFIG:** Hold **SHIFT** and press this button, or hold this button, to open the ***Arpeggiator Configuration*** menu.

15. **LATCH:** Press this button to enable latch mode for the Arpeggiator. When on, the arpeggiator will continue even after you lift your fingers. While holding down the keys, you can add more notes to the arpeggiated chord by pressing down additional keys. If you press the keys, release them, and then press down a new combination of notes, the Arpeggiator will memorize and arpeggiate the new notes.

    **FULL LEVEL:** Hold **SHIFT** and press this button to turn **Full Level** mode on and off. When on, all pads send full velocity (127) no matter how hard or soft you strike them. When off, the pads' velocity is determined by how hard or soft you strike them.

16. **NOTE REPEAT:** Press this button to turn ***Note Repeat*** mode on and off. When on, strike and hold a pad to cause it to retrigger at a rate based on the current Time Division and Tempo. You can also press and hold this button and press one of the **Time Division** keys to quickly change the setting.

    **CONFIG:** Hold **SHIFT** and press this button, or hold this button, to open the ***Note Repeat Configuration*** menu.

17. **TAP TEMPO:** Press this button repeatedly in time with the desired tempo to set a new tempo for the internal clock in BPM (beats per minute).

    **METRONOME:** Hold **SHIFT** and press this button to turn the metronome on or off in supported software.

18. **BANK A/B:** Press this button to toggle between **Bank A** and **Bank B** for the pads.

19. **Pads:** These drum pads can be used to trigger drum hits or other samples in your software. The pads are velocity-sensitive, which makes them very responsive and intuitive to play. You can also configure these pads to send **Program Change** messages or **MIDI CC** messages instead of notes. See the following ***Pad Modes*** section to learn more about this.

20. **UNDO:** Press this button to undo the last action in supported software.

    **REDO:** Hold **SHIFT** and press this button to redo the last action undone in supported software.

21. **Loop:** Press this button to turn loop playback on and off in supported software.

    **Global:** Hold **SHIFT** and press this button to open the ***Global Menu***, which contains various settings related to MPK® mini IV's operation.

22. **Stop/Play:** Press this button to stop or start playback in supported software.

    **Continue:** Hold **SHIFT** and press this button to start playback from the current playhead position in connected software.

23. **Record:** Press this button to enable recording in supported software.

    **Quantize:** Hold **SHIFT** and press this button to turn quantization on or off in supported software. This allows the notes you play to snap to the recording grid according to the current time division.

24. **Overdub:** Press this button to enable overdub recording in supported software.

    **Automation:** Hold **SHIFT** and press this button to turn automation on or off in supported software.

25. **Knobs:** These endless knobs are used to control parameters in supported software.

    You can also press and hold the **ARP** button and turn these knobs to quickly adjust the arpeggiator parameters shown below each knob.

# Operation

This chapter describes MPK® mini IV's functions. Click a link below to jump directly to that section:

***Keyboard Modes*** – Adjust the behavior of the keys to play configurable chords and scales.

***Pad Modes*** – Adjust the behavior of the pads to send notes, Program Changes, or MIDI CC commands.

***Arpeggiator*** – Create note sequence patterns.

***Note Repeat*** – Use and adjust MPC-style Note Repeat with the pads.

***Program Edit*** – Edit the MIDI assignments of MPK® mini IV and create custom presets.

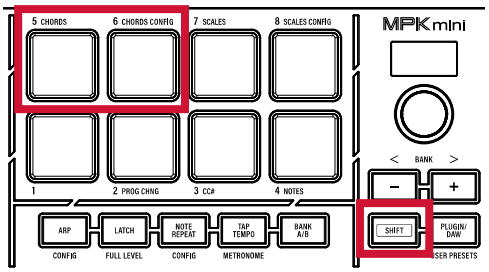
***Global Menu*** – Adjust the internal settings of MPK® mini IV.

For more information on specific controls, refer to the previous ***Features*** chapter.

# Keyboard Modes

MPK® mini IV features three modes for playing melodic content on the keyboard. By default, the keys play one note at a time like a standard keyboard. In ***Chords Mode***, each key plays a chord comprised of three or more notes in sync. In ***Scales Mode***, the keys play notes in a set scale.

## Chords Mode




Press and hold the **SHIFT** button and press **PAD 5** to enter **CHORDS** mode for the keyboard. In this mode, each key plays a configurable chord of multiple notes at the same time. When Chords Mode is on, **PAD 5** will be lit green while **SHIFT** is held down.

**To exit Chords Mode,** hold the **SHIFT** button and press **PAD 5** again.

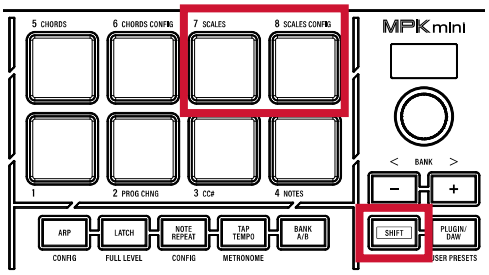
Press and hold the **SHIFT** button and press **PAD 6** to open the **CHORDS CONFIGURATION** menu on the display. While the Chords Configuration menu is open, **PAD 5** will be lit green while **SHIFT** is held down. Use the encoder to browse and edit the settings below.

**To exit Chord Configuration Mode,** hold **SHIFT** and press **PAD 6** again, or press the **PLUGIN/DAW** button.

| Setting | Values | Description |
|---|---|---|
| Mode | Off, On | This turns Chord Mode on or off. |
| Type | | This is the type of chord played by each key. |
| | 1-3-5 | A standard triad chord. |
| | +7 | A seventh chord. |
| | +7+9 | A seventh and ninth chord. |
| | Maj7 | A major seventh chord. |
| | Min7 | A minor seventh chord. |
| | Dom7 | A dominant seventh chord. |
| | | **Note:** The 1-3-5, +7, and +7+9 chords will be fixed to the selected scale. The Maj7, Min7, and Dom7 chords will transpose each interval structure through the root notes of your selected scale. |
| Key | C, C#, D, D#, E, F, F#, G, G#, A, A#, B | This is the key in which each chord is played. |
| Scale | | This is the scale the chord is played in. |
| | Chrom | Chromatic |
| | Maj | Major |
| | Melod | Melodic minor |
| | Harm | Harmonic minor |
| | Maj P | Major pentatonic |
| | Min P | Minor pentatonic |
| | Dor | Dorian |

| Setting | Values | Description |
|---|---|---|
| Scale (continued) | Phryg | Phrygian |
| | Lydia | Lydian |
| | Mixo | Mixolydian |
| | Aeol | Aeolian |
| | Locr | Locrian |
| | Blues | Blues |
| | Flmnc | Flamenco |
| | Roma | Romanian |
| | Hngar | Hungarian |
| | Persn | Persian |
| | Bebop | Bebop |
| | Whole | Whole Tone |
| Inv | | This determines the position of the chord notes when an Inversion is played. **To play an inversion,** hold **SHIFT** and press a key. |
| | None | The root note of the chord is in the lowest position |
| | 1st | The third scale tone is in the root position. |
| | 2nd | The fifth scale tone is in the root position. |
| | 3rd | The seventh scale tone is in the root position. |
| Non-S | Trans, Igno | This determines what is done with played notes that fall outside of the set chord. When set to **Trans**, these notes will be transposed to the closest scale tone. When set to **Igno**, these notes will be ignored. |

## Scales Mode




Press and hold the **SHIFT** button and press **PAD 7** to enter **SCALES** mode for the keyboard. In this mode, each key plays a single note, but you are not bound to the traditional piano layout and can instead allow only certain notes to be played. When Scales Mode is on, **PAD 7** will be lit green while **SHIFT** is held down.

**To exit Scales Mode,** hold **SHIFT** and press **PAD 7** again.

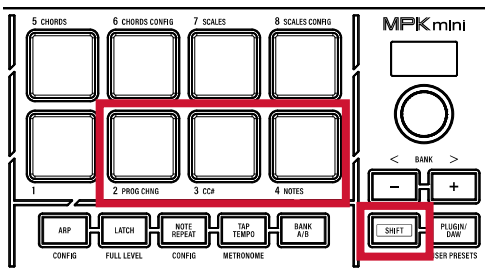
Press and hold the **SHIFT** button and press **PAD 8** to open the **SCALES CONFIGURATION** menu on the display. While the Scales Configuration menu is open, **PAD 8** will be lit green while **SHIFT** is held down. Use the encoder to browse and edit the settings below.

**To exit Scales Configuration Mode,** hold **SHIFT** and press **PAD 8** again, or press the **PLUGIN/DAW** button.

| Setting | Values | Description |
|---|---|---|
| Mode | Off, On | This turns Scale Mode on or off. |
| Key | C, C#, D, D#, E, F, F#, G, G#, A, A#, B | This is the root note of the scale. |
| Scale | | This is the scale that the keys play in. |
| | Chrom | Chromatic |
| | Maj | Major |
| | Melod | Melodic minor |
| | Harm | Harmonic minor |
| | Maj P | Major pentatonic |
| | Min P | Minor pentatonic |
| | Dor | Dorian |
| | Phryg | Phrygian |
| | Lydia | Lydian |
| | Mixo | Mixolydian |
| | Aeol | Aeolian |
| | Locr | Locrian |
| | Blues | Blues |
| | Flmnc | Flamenco |
| | Roma | Romanian |
| | Hngar | Hungarian |
| | Persn | Persian |
| | Bebop | Bebop |
| | Whole | Whole Tone |
| Non-S | Trans, Igno | This determines what is done with played notes that fall outside of the set scale. When set to **Trans**, these notes will be transposed to the closest scale tone. When set to **Igno**, these notes will be ignored. |

## Pad Modes

MPK® mini IV also features three modes for using the eight velocity-sensitive pads.




By default, these pads are set to **Notes Mode**. In Notes Mode, the pads play individual notes. You can use this to trigger drum samples in connected software or external MIDI devices like drum machines.

**To enable Notes Mode,** hold **SHIFT** and press **PAD 4**. When Notes Mode is on, **PAD 4** will be lit green while **SHIFT** is held down.

In **CC# Mode**, pads send MIDI Control Change (CC) messages. These messages can be used to control connected software or external MIDI devices. For example, these could be used to mute or unmute tracks in a connected DAW, or enable certain functions on connected MIDI devices like a drum machine or synthesizer.

**To enable CC# Mode,** hold **SHIFT** and press **PAD 3**. When CC# Mode is on, **PAD 3** will be lit green while **SHIFT** is held down.

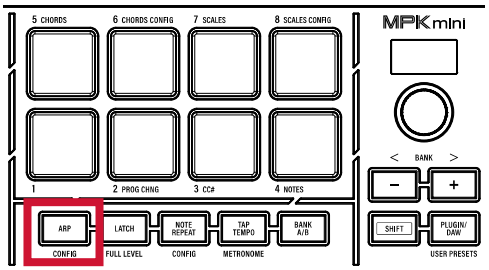
In **Program Change** mode, pads send MIDI Program Change messages. These messages are used to change presets on connected software or external MIDI devices. This can be especially useful when performing live to switch between different sounds on your software or hardware for different songs.

**To enable Program Change Mode,** hold **SHIFT** and press **PAD 2**. When Program Change Mode is on, **PAD 2** will be lit green while **SHIFT** is held down.

**Note:** CC# and Program Change pad messages cannot be used with the **DAW** or **Plugin** presets as these are mapped to control different pad modes in the supported software. See ***Setup with Other Software*** and refer to the associated Setup Guide for your software to learn more.

## Arpeggiator

MPK® mini IV features a powerful built-in arpeggiator. An arpeggiator takes a series of notes you play on the keyboard and repeats them in a set pattern.




**To enable the arpeggiator,** press the **ARP** button.

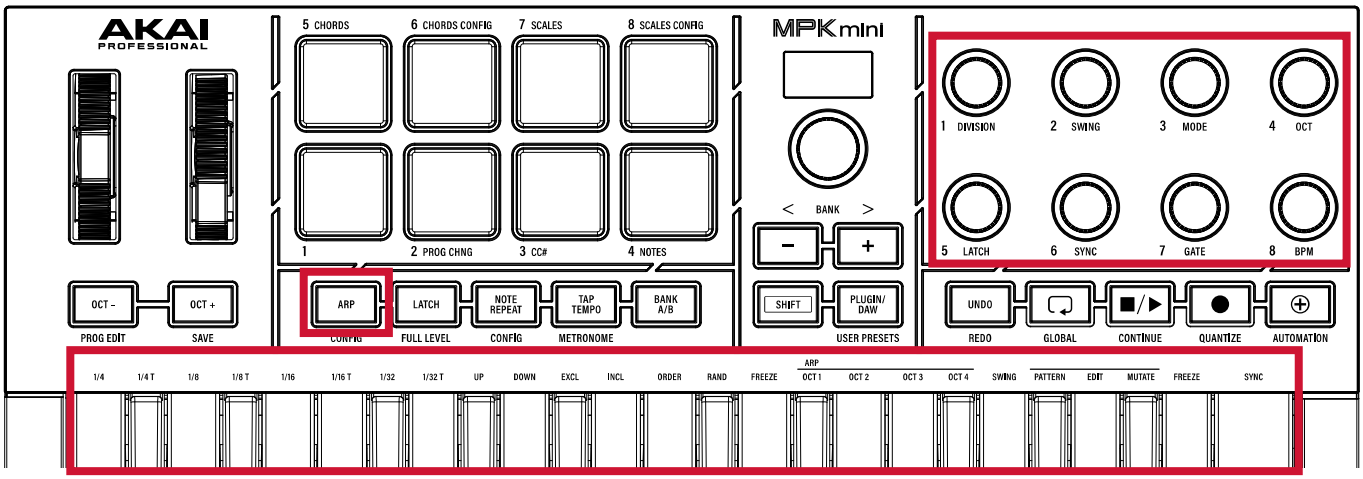
Press and hold **SHIFT** and press the **ARP** button to open the Arpeggiator Configuration menu on the display. You can also press and hold the **ARP** button to temporarily open the Configuration menu while the button is held. Use the **encoder** to browse and edit the settings below.

**To exit the Arpeggiator Configuration menu,** press the **PLUGIN/DAW** button.

| Setting | Values | Description |
|---|---|---|
| Enable | Off, On | This turns the Arpeggiator on or off. |
| Mode | | This determines the behavior of the arpeggiator. |
| | Up | Notes are played from the lowest to the highest. |
| | Dwn | Notes are played from the highest to lowest. |
| | Exc | Notes are played from the lowest to the highest, and then back down. The lowest and highest notes will sound only once at the directional change. |
| | Inc | Notes are played from the lowest to the highest, and then back down. The lowest and highest notes will sound twice at the directional change. |
| | Ord | Notes are played in the order they are triggered. |
| | Rnd | Notes are played in random order. |
| | Chor | All notes played are triggered together as a chord. |
| Div | 1/4, 1/4T, 1/8, 1/8T, 1/16, 1/16T, 1/32, 1/32T | This determines the time division of the arpeggiator. Notes will be played at this rate according to the current tempo. A "T" indicates a triplet time division. |
| Oct | 1–4 | This determines the number of octaves covered by the arpeggiation. |
| Swing | 50–75% | This determines the amount of swing applied to notes in the arpeggiation.<br>**Note:** This setting also applies to ***Note Repeat***. |
| Mutate | Off, On | This turns the mutate function on or off.<br>When on, an arpeggiator step will occasionally jump up one octave from its expected octave. |
| Mut% | 0–99% | This determines the probability of the Mutate effect being applied to the arpeggiation. |
| Rnd% | 1–99% | This determines the probability that the arp will play a random note instead of the next expected note in the arpeggiation. |
| Clock | Int, Ext | This determines whether the apreiggator timing is controlled by the **Internal** clock or by an **External** clock, such as a connected DAW.<br>By default, this is set to **Internal** for all presets. If you would like your software to control the clock timing, make sure to set it to **External**. |

| Setting | Values | Description |
|---|---|---|
| Gate | 10–99% | This determines the length of each arpeggiator note, relative to the set Time Division and tempo. |
| Freeze | Off, On | This turns Freeze mode on and off.<br>When on, the Arpeggiator will automatically enable **Latch** (if it is not already enabled). Once the initial arpeggio is set, you can then freely play other notes while the arpeggiation continues. |
| FrzCH# | 2–16 | This determines the MIDI Channel on which notes in Freeze mode are sent. |
| Latch | Off, On | This turns the latch feature on or off.<br>When on, the arpeggiator will continue even after you lift your fingers. While holding down the keys, you can add more notes to the arpeggiated chord by pressing down additional keys. If you press the keys, release them, and then press down a new combination of notes, the Arpeggiator will memorize and arpeggiate the new notes.<br>This is the same as using the **LATCH** button on MPK® mini IV. |

In addition to editing Arpeggiator settings using the Configuration menu, you can also press and hold the **ARP** button and use the **keyboard** or **Knobs** to edit the noted parameters.

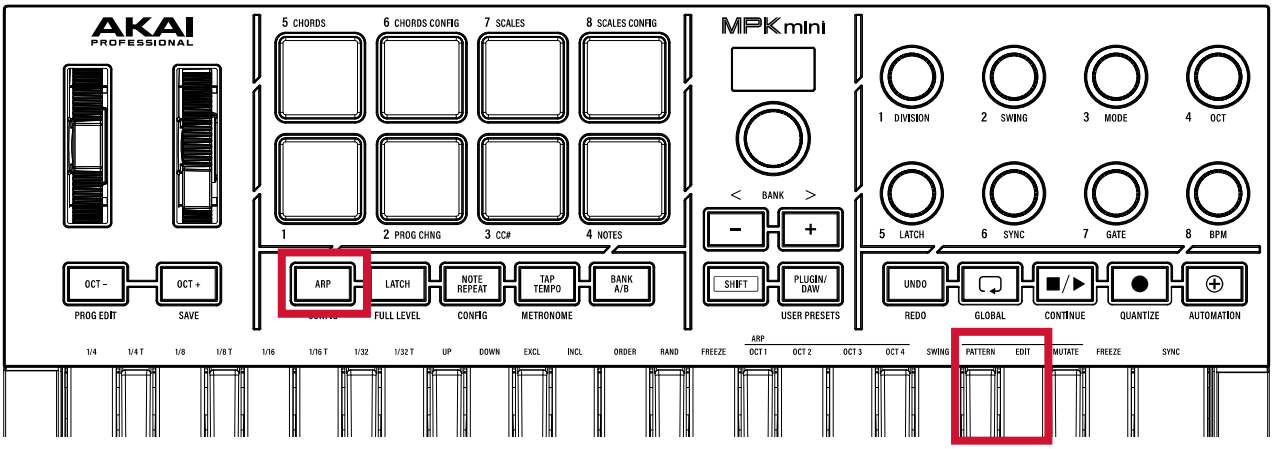


## Pattern Mode

In addition to standard arpeggiations, MPK® mini IV features a Pattern Editor to create and apply further variations to the arpeggiator, including accents, off steps, sustain, and ratchet notes. You can create, save, and trigger up to 16 different arpeggiation patterns, giving you a wealth of options for dynamic sequences.

**To turn Pattern Mode on or off,** hold the **ARP** button and then tap the key labled **PATTERN** (G#2).

**To enter Pattern Editor,** hold the **ARP** button and then tap the key labled **EDIT** (A2). Use the **encoder** to browse and edit the settings below. Use these settings in conjunction with the Pads to edit pattern as described.

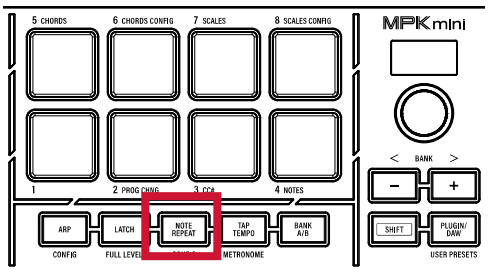



| Setting | Values | Description |
|---|---|---|
| Patt | Off, On | This turns Pattern mode on and off. This is the same as holding the **ARP** button and pressing the **PATTERN** key (G#2). |
| View | | This determines the current editing view for the pads. |
| | Acc | In this mode, the pads add accents to notes and set Off steps.<br>Tap the pad once to edit the step to add an accent (pad is lit yellow).<br>Tap the pad again to edit the step to an Off step (pad is unlit).<br>Tap the pad again to return to an unaccented On step (pad is lit red). |
| | Sust | In this mode, tap a pad to edit the step to add sustain to the note (pad is lit blue).<br>The current **Gate** setting will be ignored for a Sustain note, and the note is instead played with 110% Gate. This causes the note to ring out longer, potentially overlapping with the next played note in the arp pattern. |
| | Ratch | In this mode, tap a pad to edit the step to add a note ratchet (pad is lit green). This will play two notes at two-times the current time division setting. For example, if the time division is 1/8, then a ratchet step will play two notes at 1/16. |
| Style | | This determines how the arpeggiator will play when an Off step is encountered. |
| | Skip | In this mode, the next note in line is skipped when an Off step is encountered. This results in an arpeggio where notes consistently fall on the same beats, even if Off steps are inserted. |
| | Rest | In this mode, the next note in line is held when an Off step is encountered until the next On step. This results in an arpeggio where notes do not always fall on the same beats when Off steps are inserted. |

| Setting | Values | Description |
|---|---|---|
| Length | 8, 16 | This determines the length of the pattern. Each step size is determined by the current arpeggio time division value. |
| Ac Amt | 10–100 | This determines the amount of velocity accent applied to notes |
| Patt# | 1–16 | This is the current pattern being edited.<br>**Note:** Navigating away from the current pattern will discard all unsaved changes. |
| Save? | Yes, No | Select **Yes** to save the current pattern to the current Pattern Number. Saved patterns will be represented by pink pads when Patt# or this setting are highlighted. You can tap the pads to trigger patterns in time with the current arppegiation.<br>Select **No** to return to editing the current pattern. |

## Note Repeat

MPK® mini IV features MPC style Note Repeat, which allows you to retrigger pads at a set value while they are held. This is useful for adding rhythmic variations to your beats, such as triplet hi-hat accents.




**To enable Note Repeat,** press the **NOTE REPEAT** button.

Press and hold **SHIFT** and press the **NOTE REPEAT** button to open the Note Repeat Configuration menu on the display. You can also press and hold the **NOTE REPEAT** button to temporarily open the Configuration menu while the button is held. Use the **encoder** to browse and edit the settings below.

**To exit the Note Repeat Configuration menu,** press the **PLUGIN/DAW** button.

| Setting | Values | Description |
|---|---|---|
| Enable | Off, On | This turns the Note Repeat function on or off. |
| Div | 1/4, 1/4T, 1/8, 1/8T, 1/16, 1/16T, 1/32, 1/32T | This determines the time division of the Note Repeat function. The pad will trigger at this rate according to the current tempo. A "T" indicates a triplet time division.<br>You can also press and hold the **NOTE REPEAT** button and press one of the **Time Division** keys to quickly change this setting. |

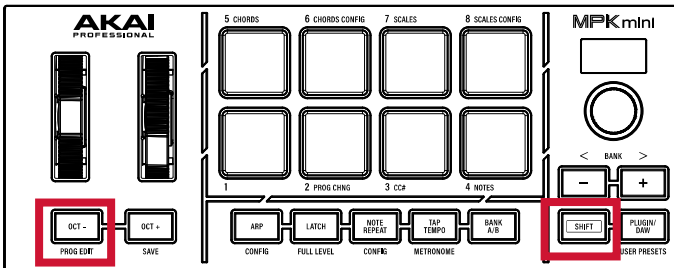
**Note:** The ***Arpeggiator*** **Swing** value is also applied to the Note Repeat function.

If you cannot hear the pad triggers when Note Repeat is active, make sure that the Arpeggiator **Clock** source is set properly. If it is set to **External**, playback must be active in the connected DAW to send clock information and trigger Note Repeat. If you are not connected to a DAW, change the setting back to **Internal**.

## Program Edit

MPK® mini IV's **Program Edit Mode** allows you to modify the functions of the pads and knobs. This allows you to create programs that can be customized to other software or external MIDI gear.

**To open Program Edit Mode,** hold **SHIFT** and press the **OCT -** button. Use the encoder to browse and edit the settings below.




| Setting | | Values | Description |
|---|---|---|---|
| Pads | MidiCh | 1–16 | This is the MIDI channel that the pads send data on. |
| | Note# | 0–127 | This is the standard MIDI note number assigned to the pad when it is in Note mode. |
| | PC# | 0–127 | This is the Program Change value assigned to the pad when the PROG CHNG function is turned on. |
| | CC# | 0–127 | This is the standard MIDI Control Change (CC) assigned to the pad when the CC# function is turned on. |
| | Off C | 0–127 | This adjusts the color of the pad when it is off |
| | On C | 0–127 | This adjusts the color of the pad when it is on. |

**Note:** CC# and Program Change pad messages cannot be used with the **DAW** or **Plugin** presets as these are mapped to control different pad modes in the supported software.

| Setting | | Values | Description |
|---|---|---|---|
| Knobs | CC# | 0–127 | This is the standard MIDI Control Change (CC) number assigned to the knob. |
| | LoVal | 0–127 | This is the lowest value sent by the knob. |
| | HiVal | 0–127 | This is the highest value sent by the knob. |
| | Mode | Abs, Rel | This determines the behavior of the knob.<br>When set to **Abs** (Absolute), the knob always sends a definitive value between the set **LoVal** and **HiVal**, such as between 0 and 127. With endless encoders, this can mean that in certain uses you may need to spin the encoder to "catch up" to the current control value, such as when switching between banks of different controls.<br>When set to **Rel** (Relative), the knob sends general messages that either decrease or increase the current value for the assigned control depending on which way you turn the knob. The speed of the value change is also relative to how fast you turn the knob. |

**To save a custom program,** hold **SHIFT** and press the **OCT +** button. Use the **encoder** to select a **User** preset slot, and then press it to confirm.

**Note:** Program Edit/Save parameters are not available in **DAW** and **Plugin** presets, and you cannot save over **DAW** and **Plugin** presets to maintain script compatibility. Make sure you have loaded a User Preset to edit and save Programs.

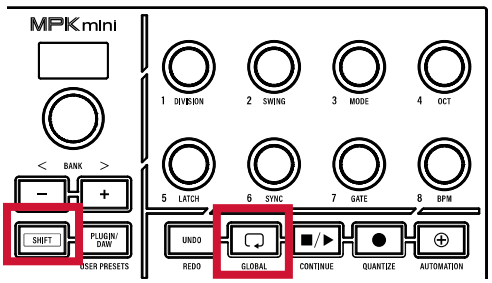
**To load a custom program,** hold **SHIFT** and press the **PLUGIN/DAW / USER PRESETS** button. Use the **encoder** to browse and select the desired preset from the list.

# Global Menu

The Global Menu is used to customize the hardware device settings of MPK® mini IV.

**To open the Global Menu,** press and hold **SHIFT** and then press the **LOOP** button. Use the **encoder** to browse and edit the following settings.

When you are finished editing, press the **PLUGIN/DAW** button to exit.




| Setting | Values | Description |
|---|---|---|
| MidiCh | 1–16 | This is the MIDI channel that the keys and knobs send data on. |
| PadCh | 1–16 | This is the MIDI channel that the pads send data on. |
| Oct | -4 – 0 – 4 | This is the current octave setting for the keys. This is the same as using the **Oct -/+** buttons. |
| KTrans | -12 – 0 – 12 | This is the transposition value of the keys. |
| Tempo | 30–240 | This is the current BPM (beats per minute) of the internal tempo clock. |
| Tap | 2–4 | This is the number of taps required for the **Tap Tempo** button to set a new tempo. |
| Aft | Off, Chan, Poly | This is the type of Aftertouch message sent by applying pressure to the pads after the initial Note On.<br>**Chan** (Channel Pressure) affects all notes played on the current channel.<br>**Poly** (Poly Aftertouch) affects each note individually. |
| Toggle | Off, On | This switches the pad modes from momentary behavior to toggle.<br>When on, hitting the pad triggers a Note On message (or CC value), and it must be hit again to trigger a Note Off message (or CC 0 value). |
| FullVel | Off, On | This setting turns Full Velocity mode on or off for the keys.<br>When on, all keys send full velocity (127) no matter how hard or soft you strike them. |
| Trnspt | nOff, wOff | This determines the behavior of the Transport buttons (**Undo**, **Loop**, **Stop/Play**, **Record**, and **Overdub**).<br>When set to **nOff**, the Transport buttons send a Note On message only each time they are pressed. When set to **wOff**, the Transport buttons send a Note On message when pressed and a Note Off message when released. |
| KbdCrv | Light, Norm, Heavy | This determines the playing response of the keys.<br>**Light:** For players with a lighter touch, notes will reach higher velocity with less force.<br>**Heavy:** For heavier-handed players, notes will require more force to hit higher velocities. |

Note: These settings can only be changed for **User** Presets. They cannot be changed while using the **DAW** or **Plugin** Presets to maintain mapping compatibility.

| Setting | Values | Description |
|---|---|---|
| KnobM | Abs, Rel | This determines the default mode for the knobs, affecting all eight at the same time.<br>When set to **Abs** (Absolute), the knob always sends a definitive value between the set **LoVal** and **HiVal**, such as between 0 and 127. With endless encoders, this can mean that in certain uses you may need to spin the encoder to "catch up" to the current control value, such as when switching between banks of different controls.<br>When set to **Rel** (Relative), the knob sends general messages that either decrease or increase the current value for the assigned control depending on which way you turn the knob. The speed of the value change is also relative to how fast you turn the knob. |
| Sust | Norm, Inv | Depending on the polarity of your sustain pedal, normally open or closed, you can adjust this setting to ensure sustain messages are correctly transmitted to MPK® mini IV. If you are having issues with a connected sustain pedal not working as intended, try changing to the opposite setting. |
| DINsrc | USB, Int | This setting determines the source of data sent to the **MIDI Out** port. Select **USB** to send MIDI coming from the USB-C® port. Select **INT** to send internal MIDI data from the MPK® mini IV hardware. |

# Appendix

## Technical Specifications

| | |
|---|---|
| **Display** | 0.96" Color LCD |
| **Note Keys** | 25 velocity-sensitive keys; +/- 4 octaves with octave up/down buttons |
| **Pads** | **8** velocity- and pressure-sensitive RGB back-lit pads |
| **Knobs** | **8** assignable 360° knobs<br>**1** push encoder |
| **Wheels** | Pitch Bend Wheel<br>Modulation Wheel |
| **Buttons** | **14** single-color LED buttons<br>**2** bi-color LED buttons |
| **Connectors** | **1** USB Type-C® Port<br>**1** MIDI DIN Out Port<br>**1** 1/4" [6.35 mm] Sustain Input |
| **Power** | via USB type-C (bus powered or connected to wall adapter [5V, 0.5A; sold separately) |
| **Dimensions**<br>(width x depth x height) | 13.7" x 7.6" x 1.5"<br>34.7 x 19.2 x 3.7 cm |
| **Weight** | 2.2 lbs.<br>1 kg |

Specifications are subject to change without notice.

Model: AD41

## Trademarks & Licenses

AKAIPRO.COM

Manual Version 1.2