



air Mini D Plugin User Guide

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Mini D
User Guide
Manual Version 1.1

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Introduction

Thank you for purchasing the AIR Mini D plugin instrument.

This user guide explains how to use your plugin instrument. For more information on using other parts of the MPC software or hardware, please consult the respective MPC Software User Guide and MPC hardware User Guide.

System Requirements & Product Support

For the latest information about this product (system requirements, compatibility information, etc.) and product registration, visit akaipro.com.

For additional support, visit akaipro.com/support.

Installation

1. Double-click the .exe (Windows) or .pkg (macOS) file you downloaded. Follow the on-screen instructions to install the software.
2. Open the plugin application.
3. Click Sign In to sign into your inMusic Brands Profile using your Internet browser. If you do not have an inMusic Brands Profile yet, you will be prompted to create one.
4. Once you have signed in, click Activate in the plugin window to enter your serial key to unlock the plugin. You can unlock each plugin on up to three devices at a time.
5. If you do not have a serial key, you can click Try Unlicensed to explore the plugin with intermittent audio alerts. You can also click 10-Day Trial to initiate a free, fully featured trial of the plugin for 10 days.
If you would like to purchase a serial key, click the link to purchase a license at profile.inmusicbrands.com.

To install the plugin content on your standalone MPC device, copy the Synths directory you downloaded into the top-level (not in any folder) of a SD card or USB drive. You do not need to copy any of the other files. Then, insert the drive into your device.

Note: For maximum convenience, we recommend you install a SATA drive in the drive bay of your standalone MPC and then copy the Synths folder onto this drive. MPC One does not have a SATA drive bay; for MPC One we recommend you install the folder onto a SD card.

Operation

Overview

Setup
Section

Synth
Controls

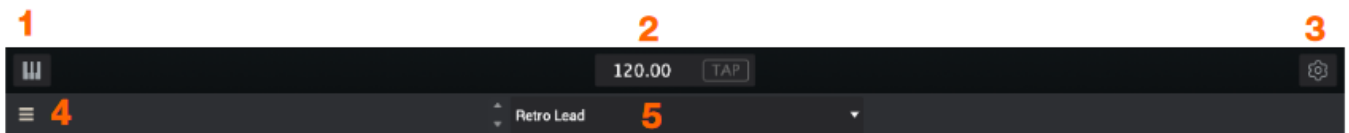
Effects
Toggle,
Global
Controls



Effects
Controls



Setup Section



1. Keyboard: Click this icon to enable or disable the virtual keyboard. When enabled, you can click these keys to input notes, or view notes being played on an external MIDI device.
2. Tempo: Displays the current plugin tempo. To change the tempo:
 - Click the number and use your keyboard to input a new value.
 - Click and drag the tempo value up or down using your cursor.
 - Click the Tap button at regular intervals.
3. Settings: Click this icon to open the Settings window, where you can set the following parameters:
 - Output: to select an audio hardware driver in your computer system. Click the Test button to play a test tone for checking your audio output settings. (Careful! You should lower the volume on your audio system beforehand.)
 - Sample Rate: Click this drop-down menu to select the desired sample rate for your project. This depends on the available sample rates of the type of MPC hardware you are using or of your audio interface (i.e., select 96000 Hz only if your interface allows a 96 kHz sample rate).
 - Audio Buffer Size: Click this drop-down menu to set your audio system's latency. Lower values result in a more immediate playing response but also more CPU consumption. If you are working with larger projects, this may cause audible clicks and pops. Higher values are more CPU-friendly but can produce more delay between

pressing a pad and hearing the corresponding sound. The ideal audio buffer size also depends on your computer's CPU performance. Experiment with this to find the best setting for your system.

- Active MIDI Inputs: Displays available MIDI input devices. To enable a device, check the box next to its name.
- Bluetooth MIDI: Click this icon to open your system's Bluetooth settings menu, where you can select a Bluetooth-enabled MIDI device to control the plugin.

4. Menu: Click this icon to open the menu, where you can find the following options:

- Scale: Click here to select a value to scale the plugin window to a new size.
- Load Preset: Click here to load a saved preset.
- Save Preset: Click here to save the current preset.
- Open User Guide: Click here to open this User Guide.
- About: Click here to view plugin version information.

5. Preset: Click this drop-down menu to view the list of included plugin presets. You can also click the up and down arrows next to this field to move to the previous or next preset.

Effects Toggle and Global Controls



Parameter	Description	Value Range
Effects	Toggles the main plugin view between synth parameters and effects parameters.	Off, On
Pitch	Number of semitones up or down controlled by MIDI pitch bend messages.	-12.00 – 0 – +12.00 semitones
Poly	Number of allowable voices, and how voices are triggered.	Legato, Retrigger, 2 Voices, 3 Voices, 4 Voices, Unison
Unl. Detune	Amount of detuning on unison voicing.	0-100%
Nt. Priority	Determines which note takes priority when the voice limit has been reached.	Last, First, Low, High

Synth Controls

Controllers



Parameter		Description	Value Range
LFO	Sync	Sync the LFO Speed to the Global Tempo or set to Off to adjust Speed by Hz.	Off, On
	Range	Amount of ISO modulation applied.	0-100%
	Shape	Waveshape of the low-frequency oscillator.	Ramp Up, Ramp Down, Triangle, Sine, Square, RND1-2, Steps 1-12
	Direction	Direction of the modulation wave.	Up, Down, Up&Down
	Speed	Rate of modulation.	When Sync is Off: 0.10 – 50.00 Hz When Sync is On: 8/4 – 16
Pitch Bend	Up	Number of semitones controlled by MIDI pitch bend up messages.	0-12
	Down	Number of semitones controlled by MIDI pitch bend down messages.	0-12
Glide	Type	Enables or disables pitch gliding for all triggered notes or legato notes (a new note is played while the previous is still held).	Off, Legato, All
	Time	Length of glide time.	0-100%
Mod	Amount	Amount of total modulation applied.	0-100%
	Trim	Position of the modulation wheel.	0-100%
	Mod 1/2	Select two sources for modulation.	OSC1-3, LFO, Noise, Amp Eg, Fitter Eg, Velocity, Pressure, Random
	Mix	Adjust the modulation mix between the Mod 1 and Mod 2 sources.	0-100%

Oscillators



Parameter		Description	Value Range
Osc 1	Mod	Enable or disable control of the oscillator using the mod wheel.	Off. On
	Range	Coarse tuning of the oscillator by octaves.	
	Shape	Waveshape of the oscillator.	Tri. FatTri. HaffSaw. Ramp, Saw, Square. Pulse25, Pulse75
Osc 2	Mod	Enable or disable control of the oscillator using the mod wheel.	Off. On
	Range Coarse	Coarse tuning of the oscillator by octaves.	LFO. 32'. 15', 8', 4', 2'
	Range Fine	Fine tuning of the oscillator in semitones.	-7.00-0.00-+7.00 semi
	Shape	Waveshape of the oscillator.	Tri. FatTri. HalfSaw. Ramp. Saw. Square. Pulse25. Pulse75
Osc 3	Mod	Enable or disable control of the oscillator using the mod wheel.	Off. On
	Range Coarse	Coarse tuning of the oscillator by octaves.	LFO. 32'. 16'. Et'. 4'. 2'
	Range Fine	Fine tuning of the oscillator in semitones.	-7.00 -0.00 – +7.00 semi
	Shape	Waveshape of the oscillator.	Tri. FatTri. HaffSaw. Ramp. Saw. Square. Pulse25. Pulse75
	Key Cal	Enable or disable the Oscillator from following the keyboard pitch.	Off. On

Mixer



Parameter		Description	Value Range
Mod		Enable or disable mod wheel control of the filter.	Off, On
Osc 1		Use the button to enable or disable Oscillator 1.	Off, On
	Volume	Level of Oscillator 1.	0-100%
Feedback		Use the button to enable or disable feedback.	Off, On
	Gain	Level of feedback signal. When the LED next to this knob lights up, the gain level is clipping.	0-100%
	Polarity	Determines whether the feedback signal is added or subtracted from the original signal.	Positive, Negative
	Amount	Wet/dry amount of the feedback.	0-100%
Osc 2		Use the button to enable or disable Oscillator 2.	Off, On
	Volume	Level of Oscillator 2.	0-100%
Noise		Use the button to enable or disable the noise generator.	Off, On
	Amount	Level of noise in the signal.	0-100%
	Type	Type of noise band applied: •White: Broad spectrum noise. •Brown: Noise with a heavy emphasis on low frequencies. •Pink: Similar to white noise with slightly more emphasis on low frequencies and less on high frequencies.	White, Brown, Pink
Osc 3		Use the button to enable or disable Oscillator 3.	Off, On
	Volume	Level of Oscillator 3.	0-100%

Modifiers



Parameter		Description	Value Range
Filter	Mod	Enable or disable mod wheel control of the filter.	Off, On
	LPF Cutoff	Center frequency for the low pass filter cutoff.	40.00 – 20000.00 Hz
	Reso	Resonance of the filter.	0-100%
	Contour	Shape of the filter slope.	0-100%
	Model	Determines the character of the filter.	Modern, Classic
Filter & Amp Env	Key Ctrl 1/2	Enables or disables key tracking for Osc 1 and Osc 2, tying the envelopes to the pitch being played.	Off, On
	Filter Attack	Length of time for the filter to reach full level.	0.00 -10.00 s
	Filter Decay	Length of time for the filter to reach sustain level.	0.00 – 10.00 s
	Filter Sustain	Level of the filter while the note is held.	0-100%
	Filter Release	Length of time for the filter to dissipate when released.	1 0.00 -10.00 s
	Amp Attack	Length of time for the note to reach full volume.	0.00 – 25.00 s
	Amp Decay	Length of time for the note to reach the sustained volume.	0.00 – 30.00 s
	Amp Sustain	Level of the sound while the note is held.	0-100%
	Amp Release	Length of time for the note to become silent after being released.	0.00 – 3600.00 s

Out



Parameter	Description	Value Range
Volume	Overall volume level of the plugin. 0–1	0–100%
Analog	Amount of analog modeling applied to the signal.	0–100%

Effects Controls



Parameter		Description	Value Range
EQ		Click the button in the upper-right corner of the section to enable or disable the EQ effect.	Off, On
	Low Freq	Center frequency for the low-end EQ band.	20.0 Hz – 1.00 kHz
	Low Gain	Amount of attenuation or boost applied to the low frequency band.	-15.0 – 0.0 – +15.0 dB
	Mid Freq	Center frequency for the mid-range EQ band.	40.0 Hz – 16.0 kHz
	Mid Q	Width of the mid-range EQ band.	0.50-10.00
	Mid Gain	Amount of attenuation or boost applied to the mid-range frequency band.	-15.0 – 0.0 – +15.0 dB
	High Freq	Center frequency for the high-end EQ band.	2.00 – 20.0 kHz
	High Gain	Amount of attenuation or boost applied to the high frequency band.	-15.0 – 0.0 – +15.0 dB
	Output	Output level of the post-EQ audio signal.	-20.0 – 0.0 – +20.0 dB
Chorus		Click the button in the upper-right corner of the section to enable or disable the chorus effect.	Off, On
	Speed	Modulation rate of the effect.	0.10 -1.00 Hz
	Depth	Amount of pitch modulation of the effect.	0-100%
	Stereo Spread	Stereo width of chorus effect. Higher values give wider stereo separation.	0-100%
	Intensity	Amount of additional pitch detuning.	0-100%
	Mix	Wet/dry amount of the chorus effect.	10-100% 0-100%

Delay		Click the button in the upper-right corner of the section to enable or disable the delay effect.	Off, On
	Time	Amount of time between the dry signal and the delayed signal. When Sync is Off: 1 ms – 2.00 s When Sync is On: 1/32 – 8/4	
	Sync	Sync the Delay Time to the Global Tempo or turn off to adjust Time by milliseconds.	Off, On
	Ratio	Reduces the delay Time in either the left or right stereo field. This is useful for creating offset, panned delays.	50:100 – 100:100 -100:50
	HPF	Center frequency for delay signal high-pass filter.	20.0 Hz – 1.00 kHz
	Width	Stereo width of delay signal. Higher values give wider stereo separation.	0-100%
	Feedback	Amount of signal fed back into the delay line.	0-100%
	Resonance Damp	Center frequency of where the feedback signal will be damped.	1.00-20.0 kHz
	Resonance	Amount of resonance of the feedback signal.	0-100%
	Reso Freq	Center frequency for feedback resonance.	100 Hz -10.0 kHz
	Mix	Wet/dry amount of the delay effect.	0-100%

Trademarks and Licenses

AIR Music Technology is a trademark of inMusic Brands, Inc., registered in the U.S. and other countries.


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Documents / Resources

	air Mini D Plugin [pdf] User Guide Mini D Plugin, Mini D, Plugin
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References

-  [AIR | German-engineered virtual instruments and effects](#)
-  [Music Production Hardware & Software | Akai Pro](#)
-  [Support : Akai Professional](#)
-  [Customer Login](#)

Manuals+.