



MPD18

COMPACT PAD CONTROLLER

► QUICKSTART GUIDE
ENGLISH

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SOFTWARE CD

PC Users: To install the Akai Professional MPD18 Editor, open the contents of the disc, double-click **Setup.exe**, and follow the on-screen instructions. To open the editor, connect the MPD18 to your computer with a standard USB cable (included) then double-click **MPD18 Editor.exe**.

Mac Users: Drag the contents of the disc to an appropriate location on your hard drive. To open the editor, connect the MPD18 to your computer with a standard USB cable (included) then double-click the **MPD18 Editor**.

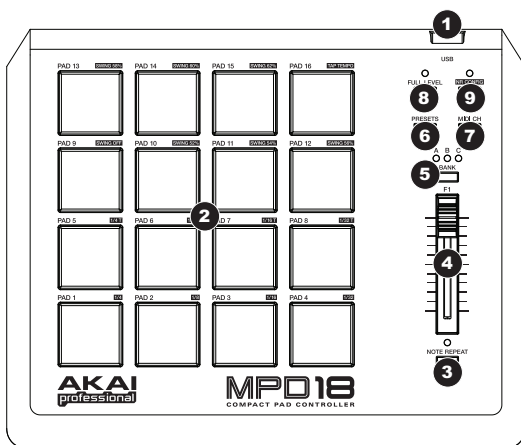
Note: Always connect the MPD18 to your computer before opening the editor.

TOP PANEL OVERVIEW

- USB CONNECTION** – Plug a standard USB cable into this outlet and into the USB port of your computer. The computer's USB port will provide power to the MPD18.
- 16 REAL MPC PRESSURE AND VELOCITY SENSITIVE PADS** – The pads can be used to trigger drum hits or other samples in your software. The pads are pressure and velocity sensitive, which makes them very responsive and intuitive to play.
- NOTE REPEAT** – Holding this button while striking a pad causes the pad to retrigger at a rate based on the current Tempo, Time Division, and Swing settings. Note Repeat can be synced to an internal or external MIDI Clock source. It can also function as a momentary or toggle switch. These settings are configurable for each Preset (see NR CONFIG).
- ASSIGNABLE FADER** – This fader can be used to send continuous control data to a desktop audio workstation.
- PAD BANK** – This button switches between pad banks A, B, and C. Each bank can address a unique set of 16 sounds, giving you access of up to 48 different sounds you can trigger with the pads. The currently selected pad bank will be indicated with a lit LED.
- PRESETS** – This button allows you to select different preset mappings (of the pads and assignable button and fader). Press and hold it then press the pad with the number of the preset you want (1-16). You can customize these presets in the software editor (see the SOFTWARE EDITOR section for more information). See the PRESETS section for descriptions of the available default presets.
- MIDI CH** – This button allows you to change the master MIDI channel the MPD18 sends. Press and hold it then press the pad with the channel number you want (1-16).
- FULL LEVEL** – When FULL LEVEL is activated, the pads always play back at a maximum velocity (127), no matter how hard or soft you hit them.
- NR CONFIG (Note Repeat Configuration)** – This button is used to adjust the current Note Repeat parameters.

Note: Changes made with the NR CONFIG button will **not** be stored in the Preset. For these (and additional) parameters to be stored in the Preset, edit them in the software editor.

 - Time Division:** Hold down NR CONFIG and press any one of Pads 1 through 8 to set the desired Time Division – the rate of Note Repeat. The Time Division value is next to the pad number on the MPD18.
 - Swing:** Hold down NR CONFIG and press any one of Pads 9 through 15 to set the desired Swing setting for Note Repeat. The Swing value is next to the pad number on the MPD18. (For finer adjustments to the Swing value, use the software editor.)
 - Tempo:** If Note Repeat is set to the internal clock (the default), the LED above NR CONFIG will flash at the current Note Repeat tempo. To enter a new tempo, hold down NR CONFIG and tap Pad 16 ("Tap Tempo") in time with the desired tempo. (The LED will not flash if Note Repeat is synced to an external clock.)



SOFTWARE EDITOR

OPENING THE EDITOR

Always connect the MPD18 to your computer before opening the software editor.

After opening the software editor, you will need to select the MPD18 from the drop-down menu on the opening screen and click "Done."

- For Mac or Windows Vista users, it will be listed as **Akai MPD18**.
- For Windows XP users, it will be listed as **USB Audio Device**. (If you have other USB audio devices connected to your computer, which may have identical names, you may need to try selecting each one until the MPD18 is recognized.)



IMPORTANT!: The first time you use the software editor, even if the correct device is already shown in the drop-down menu, you still need to click on the menu and select the device. (You will also need to do this if you move your files to a new location.) In future sessions, though, you can simply click "Done" if the correct device is shown in this window.

LOADING & SAVING PRESETS

The editor lets you edit, save, or load presets for the MPD18 on your computer. These buttons and fields are shown at the top of the editor window.



1. **GET PRESET** – Click on this field to select the number of a preset currently on the MPD18 (1-16). When you select it, its settings will be shown on the software interface.
2. **EDIT PRESET** – Click on this field to select the number that the currently shown preset will use if you upload it to the MPD18 (by clicking COMMIT – UPLOAD).
3. **COMMIT – UPLOAD** – Click this button to send the currently shown preset to the MPD18. The number of this preset is determined by the EDIT PRESET field.
4. **SAVE PRESET** – Click this button to save the currently shown preset to your computer.
5. **LOAD PRESET** – Click this button to load a saved preset from your computer. Once it loads, you will see its settings in the software interface.

Note: When you save a preset, the current EDIT PRESET number will be saved with it. When you load that preset later, the EDIT PRESET field will be updated with that number. If you want to change the preset number before uploading it to the MPD18, simply select a new EDIT PRESET number before clicking COMMIT – UPLOAD.

TO COPY A PRESET:

1. Load the preset you want to copy **from** the MPD18 by clicking GET PRESET field and selecting it.
2. Set the preset you want to copy it **to** on the MPD18 by clicking EDIT PRESET field and selecting it.
3. Click COMMIT – UPLOAD to send the copied preset to the MPD18.

EDITING PRESETS

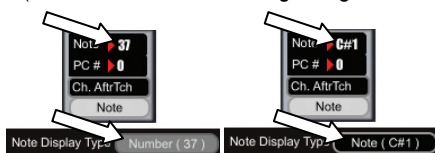
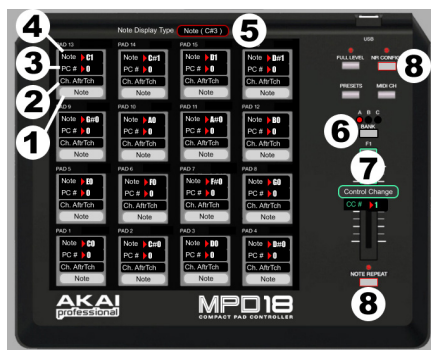
This section outlines the editable items for each preset. Items #1-4 are editable for every pad.

- PAD TYPE** – Click this button to select **Note** or **Prog Change**. When **Note** is selected, pressing that pad will send the MIDI Note Number you have selected (see **NOTE #**). When **Prog Change** is selected, pressing that pad will send the Program Change Number you have selected (see **PC #**).
- AFTERTOUCH** – Click this button to open a drop-down menu with three options: **No Aftertouch**, **Ch. AftTch**, and **Poly AftTch**:
 - No Aftertouch**: The pad will send no Aftertouch information.
 - Ch. AftTch** (Channel Aftertouch): The pad will send Aftertouch information over the MPD18's global MIDI channel. If multiple buttons with Channel Aftertouch are pressed simultaneously, their affect is cumulative.
 - Poly AftTch** (Poly Aftertouch): The pad will send Aftertouch information for that pad's assigned MIDI Note Number only. Poly Aftertouch pads will send Aftertouch information independently from Channel Aftertouch pads and from other Poly Aftertouch pads. (If multiple Poly Aftertouch pads are sending the same MIDI Note Number, though, their affect is cumulative.)
- NOTE #** – Click on this field and drag up or down with the mouse (or use your keyboard's \uparrow or \downarrow keys) to change the MIDI Note Number the pad will send. (You will also have to select **Note** as its **PAD TYPE** for it to transmit this note.)
- PC #** – Click on this field and drag up or down with the mouse (or use your keyboard's \uparrow or \downarrow keys) to change the MIDI Program Change number the pad will send. (You will also have to select **Prog Change** as its **PAD TYPE** for it to transmit this message.)
- NOTE DISPLAY TYPE** – Click this button to display either the MIDI Note Number or the actual musical note the pad will send.
- PAD BANK** – Click this button to switch through the three available banks on the MPD18. The settings for the pads in these other banks will be shown on the interface.
- ASSIGNABLE FADER** – This fader on the MPD18 can send a Control Change number or Channel Aftertouch. Click on the first button underneath it to select **Control Change** or **Ch. AfterTouch**.

Click on the number next to **CC#** and drag up or down with the mouse (or use your keyboard's \uparrow or \downarrow keys) to change the Control Change number the button will send.

- NR CONFIG (Note Repeat Configuration)** – Click this button to open a new window where you can adjust the Note Repeat parameters for the current Preset. Click on a field to select a setting for that parameter:

- BPM (Tempo)**: Click on this field and drag up or down with the mouse (or use your keyboard's \uparrow or \downarrow keys) to set the desired tempo of Note Repeat when the MPD18 is synced to the internal clock. Select a value between 30 and 300 BPM (beats per minute).
- Time Division**: Click this button to open a drop-down menu and select the desired Time Division – the rate of Note Repeat. Select 1/4, 1/8, 1/16, 1/32, 1/4 Triplet, 1/8 Triplet, 1/16 Triplet, or 1/32 Triplet.
- NR Button Behavior**: Click this button to select whether the MPD18's NOTE REPEAT button will function as a "Momentary" or "Toggle" switch.
- Swing**: Click on this field and drag up or down with the mouse (or use your keyboard's \uparrow or \downarrow keys) to set the desired Swing value for Note Repeat. Select a value from 50 to 75. (At 50, Swing is turned off. The most "even" Swing feel is at 67.)
- MIDI Clock**: Click this button to select "Internal" (the default) to sync it to the internal MIDI clock, then remember to select a Tempo. Select "External" to sync the Note Repeat function to an external MIDI clock.



PRESETS

To select a Preset, press and hold the MPD18's PRESETS button then press the pad with the number of the Preset you want (1-16). Each Preset comes with a pre-assigned mapping for the 16 pads, as shown below. You can change and save any of these mappings in the software editor.

PRESET #	NAME	DESCRIPTION
1	Chromatic	The 16 pads are mapped to a chromatic scale from C to D#Eb, ascending a half-step with each pad number (e.g., Pad 1 = C, Pad 2 = C#/Db, Pad 3 = D, Pad 4 = D#/Eb, etc.).
2	GM / MPC	The 16 pads are mapped to conventional default MPC pad mappings.
3	Prog 1-48	The 16 pads are mapped to transmit Program Change messages 1-48 across all three pad banks.
4	Prog 49-96	The 16 pads are mapped to transmit Program Change messages 49-96 across all three pad banks.
5	C Scale	The 16 pads are mapped to a C major scale from C to D, ascending a scale degree with each pad number (e.g., Pad 1 = C, Pad 2 = D, Pad 3 = E, Pad 4 = F, etc.).
6	C# / Db Scale	The 16 pads are mapped to a C#/Db major scale from C#/Db to D#/Eb, ascending a Scale degree with each pad number (e.g., Pad 1 = Db, Pad 2 = Eb, Pad 3 = F, Pad 4 = Gb, etc.).
7	D Scale	The 16 pads are mapped to a D major scale from D to E, ascending a scale degree with each pad number (e.g., Pad 1 = D, Pad 2 = E, Pad 3 = F#, Pad 4 = G, etc.).
8	D# / Eb Scale	The 16 pads are mapped to a D#/Eb major scale from D#/Eb to E#/F, ascending a Scale degree with each pad number (e.g., Pad 1 = Eb, Pad 2 = F, Pad 3 = G, Pad 4 = Ab, etc.).
9	E Scale	The 16 pads are mapped to an E major scale from E to F#/Gb, ascending a scale degree with each pad number (e.g., Pad 1 = E, Pad 2 = F#, Pad 3 = G#, Pad 4 = A, etc.).
10	F Scale	The 16 pads are mapped to an F major scale from F to G, ascending a scale degree with each pad number (e.g., Pad 1 = F, Pad 2 = G, Pad 3 = A, Pad 4 = Bb, etc.).
11	F# / Gb Scale	The 16 pads are mapped to an F#/Gb major scale from F#/Gb to G#/Ab, ascending a scale degree with each pad number (e.g., Pad 1 = F#, Pad 2 = G#, Pad 3 = A#, Pad 4 = B, etc.).
12	G Scale	The 16 pads are mapped to a G major scale from G to A, ascending a scale degree with each pad number (e.g., Pad 1 = G, Pad 2 = A, Pad 3 = B, Pad 4 = C, etc.).
13	G# / Ab Scale	The 16 pads are mapped to a G#/Ab major scale from G#/Ab to A#/Bb, ascending a scale degree with each pad number (e.g., Pad 1 = Ab, Pad 2 = Bb, Pad 3 = C, Pad 4 = Db, etc.).
14	A Scale	The 16 pads are mapped to an A major scale from A to B, ascending a scale degree with each pad number (e.g., Pad 1 = A, Pad 2 = B, Pad 3 = C#, Pad 4 = D, etc.).
15	A# / Bb Scale	The 16 pads are mapped to an A#/Bb major scale from A#/Bb to B#/C, ascending a scale degree with each pad number (e.g., Pad 1 = Bb, Pad 2 = C, Pad 3 = D, Pad 4 = Eb, etc.).
16	B Scale	The 16 pads are mapped to a B major scale from B to C#/Db, ascending a scale degree with each pad number (e.g., Pad 1 = B, Pad 2 = C#, Pad 3 = D#, Pad 4 = E, etc.).

SPECIFICATIONS

Number of presets:	16
MIDI output channels over USB:	16
Drum pads:	16 (velocity- and pressure-sensitive)
Drum pad banks:	3
Faders:	1
Switches:	1
Inputs/outputs:	1 USB port
Power:	< 100mA, 5V DC via USB
Dimensions (W x D x H):	255mm x 205mm x 42mm
Weight:	0.8 kg

MIDI IMPLEMENTATION CHART

Manufacturer: Akai Professional		Model: MPD18		Version: 1.0		Date: 2009.04.02	
		Transmit/Export	Recognize/Import	Remarks			
1. Basic Information							
MIDI channels		16	n/a	Editor only			
Note numbers		000-127	n/a				
Program change		000-127	n/a	Editor only			
Bank Select response? (Yes/No) If yes, list banks utilized in remarks column		No					
Modes supported: Mode 1: Omni-On, Poly (Yes/No) Mode 2: Omni-On, Mono (Yes/No) Mode 3: Omni-Off, Poly (Yes/No) Mode 4: Omni-Off, Mono (Yes/No) Multi Mode (Yes/No)		n/a	n/a				
Note-On Velocity (Yes/No)		Y	n/a				
Note-Off Velocity (Yes/No)		N	n/a				
Channel Aftertouch (Yes/No)		Y	n/a				
Poly (Key) Aftertouch (Yes/No)		Y	n/a				
Pitch Bend (Yes/No)		N	n/a				
Active Sensing (Yes/No)		N	n/a				
System Reset (Yes/No)		N	n/a				
Tune Request (Yes/No)		N	n/a				
Universal System Exclusive: Sample Dump Standard (Yes/No) Device Inquiry (Yes/No) File Dump (Yes/No) MIDI Tuning (Yes/No) Master Volume (Yes/No) Master Balance (Yes/No) Notation Information (Yes/No) Turn GM1 System On (Yes/No) Turn GM2 System On (Yes/No) Turn GM System Off (Yes/No) DLS-1 (Yes/No) File Reference (Yes/No) Controller Destination (Yes/No) Key-based Instrument Ctrl (Yes/No) Master Fine/Coarse Tune (Yes/No) Other Universal System Exclusive		Yes	Yes	Editor only			
Manufacturer or Non-Commercial System Exclusive		N	N				
NRPNs (Yes/No)		N	N				
RPN 00 (Pitch Bend Sensitivity) (Yes/No) RPN 01 (Channel Fine Tune) (Yes/No) RPN 02 (Channel Coarse Tune) (Yes/No) RPN 03 (Tuning Program Select) (Yes/No) RPN 04 (Tuning Bank Select) (Yes/No) RPN 05 (Modulation Depth Range) (Yes/No)		N	N				
2. MIDI Timing and Synchronization							
MIDI Clock (Yes/No)		N	N				
Song Position Pointer (Yes/No)		N	N				
Song Select (Yes/No)		N	N				
Start (Yes/No) Continue (Yes/No) Stop (Yes/No)		N	N				
MIDI Time Code (Yes/No)		N	N				
MIDI Machine Control (Yes/No)		N	N				
MIDI Show Control (Yes/No) If yes, MSC Level supported		N	N				
3. Extensions Compatibility							
General MIDI compatible? (Level(s)/No) Is GM default power-up mode? (Level/No)		N	N				
DLS compatible? (Levels(s)/No) (DLS File Type(s)/No)		N	N				
Standard MIDI Files (Type(s)/No)		N	N				
XMF Files (Type(s)/No)		N	N				
SP-MIDI compatible? (Yes/No)		Y	Y				



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