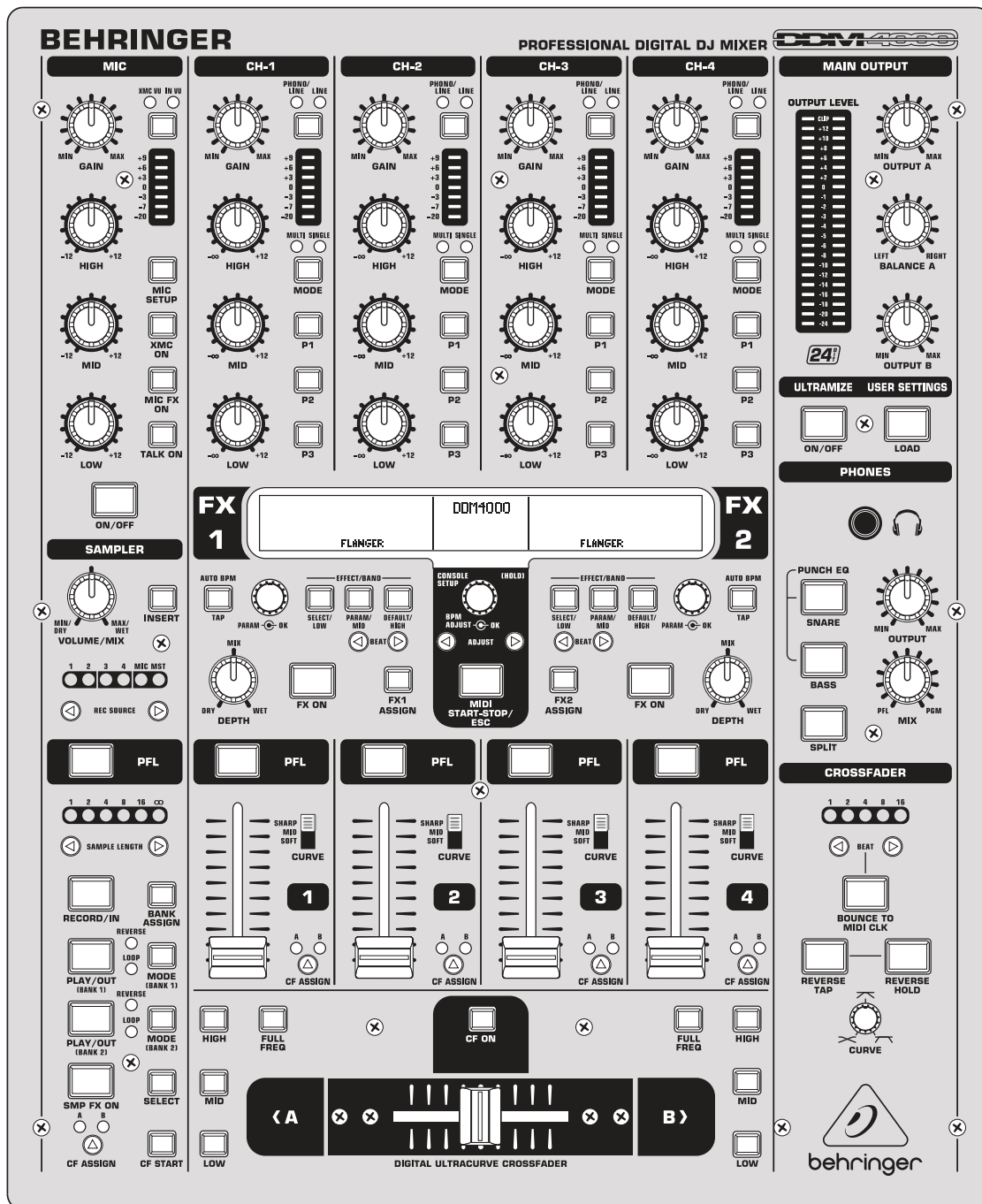# Behringer DDM4000

Behringer DDM4000 (schematic view)

The Digital Pro Mixer DDM4000 is a 5-Channel Digital DJ Mixer with Sampler, 4 FX Sections, BPM Counters and MIDI support. Each of the following sections can be configured separately to be used either for audio or as MIDI controller:

- Channel 1 – 4
- Microphone Channel
- Crossfader
- Sampler

The mixer contains no digital interfaces for audio or microphones.

New in version 2.3.3.

Links

- Manufacturer's product page
- Forum thread
- 📥 User Manual
- 📥 Overlay to print on cardboard or paper for lamination

Compatibility

This controller contains a MIDI interface with 5-pin DIN jacks In/Out/Thru. If your soundcard does not offer DIN jacks, a separate USB/MIDI interface is required to use it on GNU/Linux, Mac OS X, and Windows.

Setup

Configure the affected mixer sections as MIDI controller:

1. Long press the `CONSOLE SETUP` knob
2. Select `MIDI SETTINGS` by turning and pressing the `CONSOLE SETUP` knob
3. Enable MIDI for the sections that you want to use as MIDI controller:

   - Channel 1 – 4
   - Microphone Channel
   - Crossfader
   - Sampler

4. Press the `ESC` button to exit MIDI Setup
5. To make the change persistent, save the settings in a user preset. See the controller manual for details.

Controller Mapping

A schematic drawing with the control numbers that are used here can be found in the User Manual in the Links section.

Decks 1 & 2

> **❶ Note**
>
> On some units of this mixer, the LEDs of the buttons `P1` / `P2` / `P3` show an unexpected behavior in MIDI mode. When such a LED is turned on via MIDI, it flashes shortly but does not stay lit. The problem occurs only when at least 1 channel is in audio (non-MIDI) mode. It does not occur when all channels are in MIDI mode. Firmware version 1.02 (Dec 14 2007) is known to show this behavior, and there's no fix available according to a reply from the technical support:
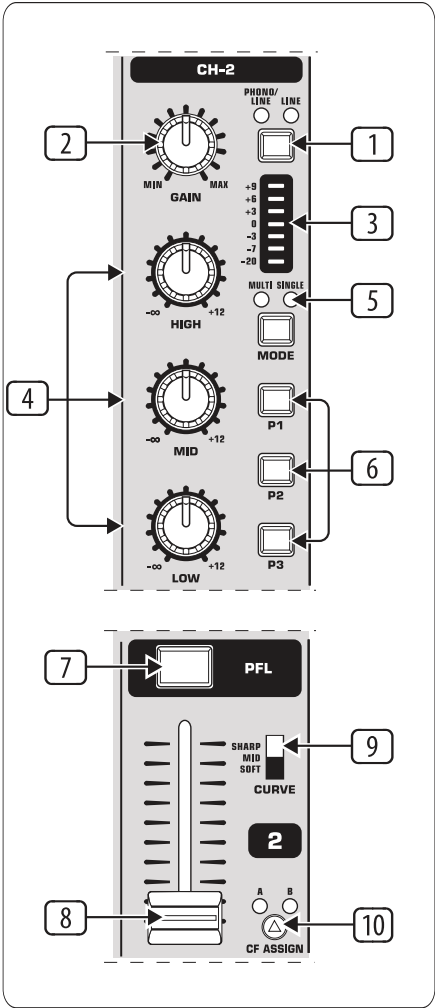>
> > "I see the issue, but sorry, the code is 15 years old and getting the 15 year old tools (plus license, plus old windows version) needed to compile it, together with finding the bug in a very complex code base (without access to the developer) makes fixing this nearly impossible."
> >
> > —[MUSIC Tribe Care] Behringer - Technical Support (08 Sep 2021)

Volume & Equalizer (Inner stereo channels)

The inner stereo channels 2 & 3 contain volume & equalizer controls for Deck 1 & 2:

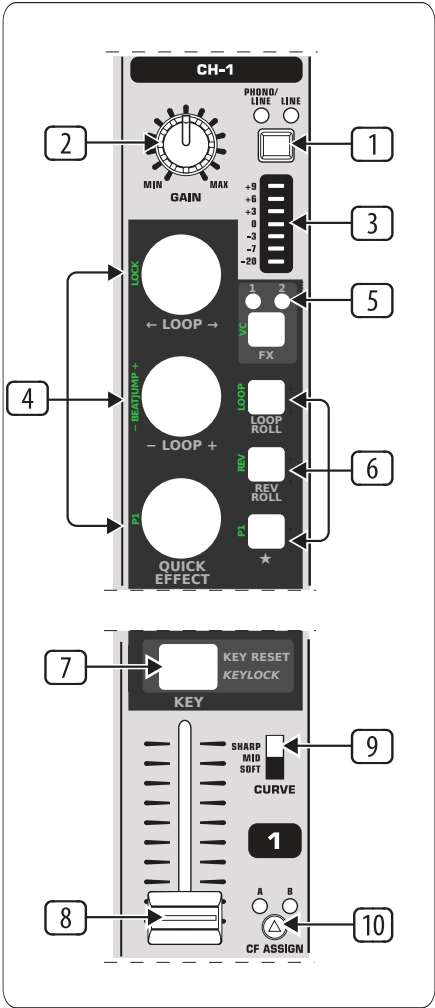- Channel 2 controls Deck 1.
- Channel 3 controls Deck 2.

Inner stereo channels strips

No.	Control	Function
4	HIGH / MID / LOW knobs	• Rotate: Adjust high/mid/low-frequencies.
6	P1 / P2 / P3 buttons	• Press: Toggle the kill function for high/mid/low-frequencies.
7	PFL button	• Press: Toggle headphone pre-fader listening.
8	Channel faders	• Mode: Adjust the output volume.
10	CF ASSIGN button	• Press: Assign the channel to either side of the crossfader.

Effect Controls (Outer stereo channels)

The outer stereo channels 1 & 4 contain effect controls for Deck 1 & 2:

- Channel 1 controls Deck 1.
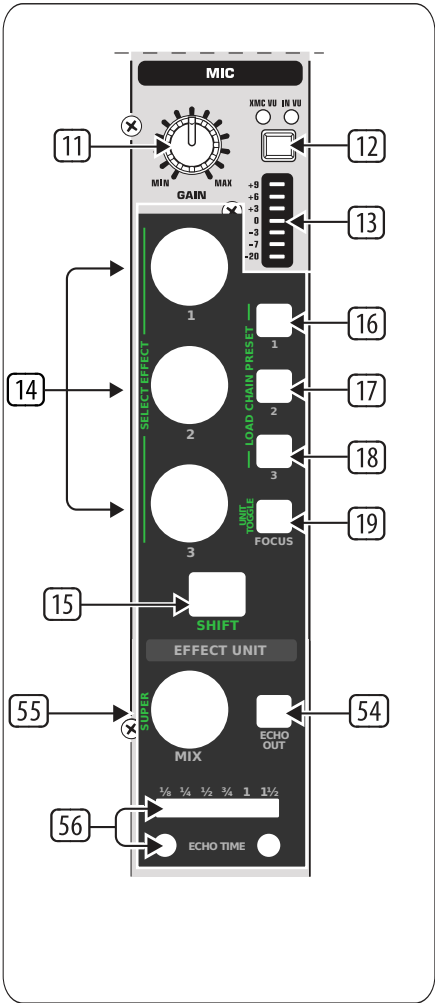- Channel 4 controls Deck 2.

Outer stereo channels strips

No.	Control	Function
4	HIGH knob	- Rotate: Move the current loop left or right. - Shift + Rotate: Ignore the movement, do nothing. This allows to continue moving the loop after the knob has reached the end of its physical range.
4	MID knob	- Rotate: In-/Decrease the size of the current loop in beats. - Shift + Rotate: In-/Decrease the number of beats to use for loop move.

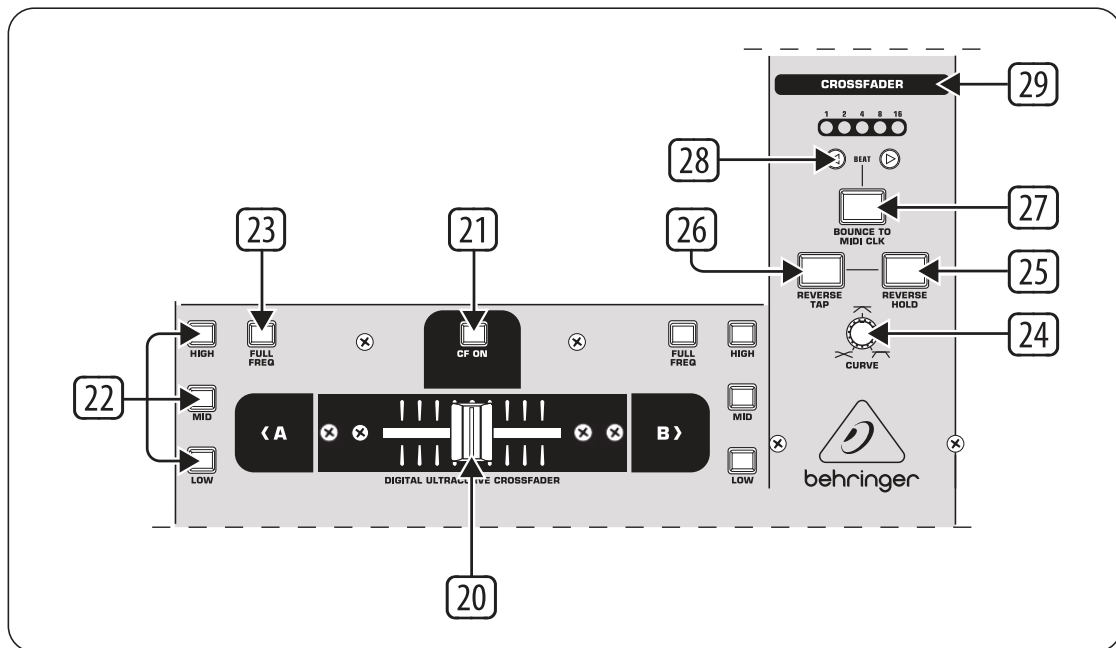| No.	Control	Function
4	`LOW` knob	• Rotate: Control the strength of the quick effect. • Shift + Rotate: Control parameter 1 of the quick effect.
5	`MODE` button, `MULTI` / `SINGLE` LEDs	• Short Press (`MULTI` LED): Toggle assignment of Effect Unit 1. • Long Press (`SINGLE` LED): Toggle assignment of Effect Unit 2. • Shift + Press: Toggle Vinyl Control Mode.
6	`P1` button	• Press: Toggle a rolling loop while pressed. Playback continues where the track would have been if it had not been temporarily looped. • Shift + Press: Toggle a loop that ends at the current play position.
6	`P2` button	• Press: Toggle rolling reverse playback while pressed. Playback continues where the track would have been if it had not been temporarily reversed. • Shift + Press: Toggle reverse playback.
6	`P3` button	• Press: Toggle the quick effect. • Shift + Press: Toggle parameter 1 of the quick effect
7	`PFL` button	• Press: Reset the key. • Shift + Press: Toggle Keylock. • LED: Show Keylock state.
8	Channel faders	• Press: Adjust the key. Raising the fader raises the key, lowering the fader lowers the key. When the fader position does not match the deck's key, movement is ignored until the center position is crossed (soft-takeover).

Effect Unit

Effect Unit section

The MIC section controls Effect Unit 1. See Standard Effects Mapping for details.

No.	Control	Function
14	**HIGH** knob	• Rotate: Control the parameter of effect 1.
14	**MID** knob	• Rotate: Control the parameter of effect 2.
14	**LOW** knob	• Rotate: Control the parameter of effect 3.
15	**ON/OFF** button	• Press: Toggle shift. Shift changes the behaviour of controls as described on this page, and additionally the behaviour of the Effect Units. See Standard Effects Mapping for details.

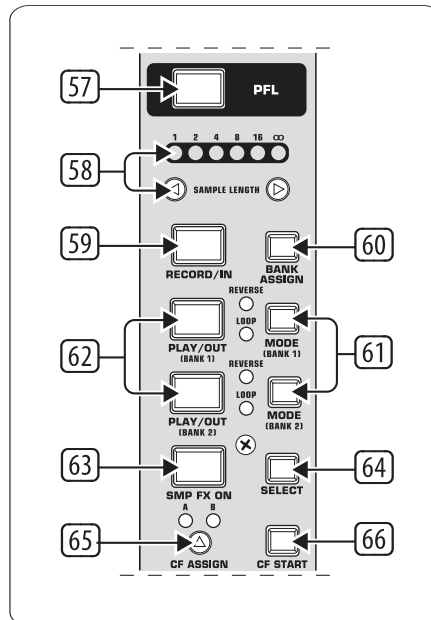| No.	Control	Function
16	**MIC SETUP** button	• Press: Toggle effect 1.
17	**XMC ON** button	• Press: Toggle effect 2.
18	**MIC FX ON** button	• Press: Toggle effect 3.
19	**TALK ON** button	• Press: Toggle effect focus mode. • Shift + Press: Toggle Effect Unit.
54	**INSERT** button	• Press: Toggle Echo Out effect. The Echo Out effect enables echo and filter while muting the assigned channels. **❶ Note** Requirement: Effect Unit 1 holds Echo in Slot 1 and Filter in Slot 2.
55	**VOLUME/MIX** knob	• Rotate: Adjust mixing of the dry (input) signal with the wet (output) signal of this Effect Unit. • Shift + Rotate: Control the Meta Knob of all effects in this unit together.
56	**REC SOURCE** buttons & LEDs	• Press: Adjust Echo Time

Crossfader section

Crossfader section

No.	Control	Function
20	Crossfader	• Move: Fade between the signals that are assigned to sides A and B.
21	CF ON button	• Press: Toggle crossfader function. When disabled, the crossfader control in the Mixxx user interface is hidden.
24	CURVE knob	• Rotate: Adjust the response of the crossfader.
25	REVERSE HOLD button	• Press: Toggle a permanent reverse of the crossfader sides A and B. This means that A and B are interchanged.
26	REVERSE TAP button	• Press: Toggle a momentary reverse of the crossfader sides A and B. This means that A and B are interchanged as long as the TAP push button is held down.

Sampler

Sampler section

No.	Control	Function
57	PFL button	• Press: Toggle headphone pre-fader listening for sampler 1.
58	SAMPLE LENGTH buttons	• Press: Adjust the beatloop size of sampler 1.
61	MODE buttons for bank 1/2	Toggle the playback type for the selected sampler. • Short Press: Toggle the Reverse function. • Long Press: Toggle the Loop function.
62	PLAY/OUT buttons for bank 1/2	• Press: Toggle playback for the selected sampler. When the Loop function is disabled, the sample is only played back while the button is pressed.
63	SMP FX ON button	• Press: Toggle Effect Unit 1 for sampler 1.
65	CF ASSIGN button	• Press: Assign sampler 1 to either side of the crossfader.