



### CONNECTORS [BACKSIDE]

**USB IN:** Connects the Dark Fader to the midi host (PC/Mac/iOS etc.). Dark Fader offers a class compatible midi protocol, no driver on host needed.

**USB Out (optionally):** Available if an active hub is mounted, can be used to connect more midi devices in daisy chain.

**DC Power IN (5V, polarity + inside):** Available if an active hub is mounted. Dark Fader needs less than 80mA, so even 2 Dark Faders can be connected to an iOS device without any power supply. Intended use of DC Power IN: Power daisy chain connected devices at USB Out.

### MIDI CHANNEL BUTTON [1]

**Top Button** toggles midi channel (1 or 2) for all control elements of Dark Fader, typically used to switch between deck A and B. The fader goes into waiting mode if inbuilt Midi Soft Takeover is enabled (feature can be enabled/disabled in Power-On Setup Mode).

**Top LED** (above button): shows selected midi channel (green=channel 1, red=channel 2).

Dark Fader stores the last used channel permanently. On next power on, the last used channel is selected automatically (this simplifies the usage of 2 Dark Faders; both are aligned to left and right deck permanently). MIDI: In addition to midi channel toggle, the button also sends midi commands to allow additional midi mapping.

### LEFT AND RIGHT BUTTONS [2]

Typically used for pitch bend [-] and [+], but can be mapped to any other supported midi functions of your DJ application.

MIDI: Both buttons send midi notes, holding the SHIFT button modifies the notes of both buttons, this allows a 2<sup>nd</sup> layer mapping to e.g. Cue/Play.

### SHIFT BUTTON [3]

SHIFT button modifies the midi note of all other buttons. MIDI: The button itself also sends a midi note to allow additional midi mapping.

### SL1200 PITCH FADER [4]

**Original Technics SL1200 fader** (click-less mk3/5 model): The fader values are calculated in full 14bit resolution. MIDI: The fader sends a midi pitchbend command (14bit). The LED to the left of the fader is used for multiple purposes:

**LED RED:** As soon as a fader movement is detected, the LED flashes red to indicate that a midi message was sent. **LED OFF** (despite movements): Midi Soft Takeover is active, fader waits until user catches the earlier fader position in actual midi channel. **LED GREEN:** indicates that the last sent midi value was #8192 (exact mid zero position). Permanently on if pitch reset is active.

Dark Fader offers 2 options to trigger the exact mid (zero) position: moving into 'mid range' (similar to the SL1200 mk2 models) AND via a pitch reset feature (similar pitch reset knob on SL1200 mk3 models). Dark Fader combines the advantages of both SL1200 models.

**Pitch Reset:** to reset pitch to zero press SHIFT and MIDI CHANNEL buttons together (hold SHIFT, then press MIDI CHANNEL). When pitch reset mode is activated: pitch resets to zero and mid LED lights green, midi value 8192 sent once, and any fader movements are disabled. Press both buttons again to leave pitch reset mode. Both midi channels store their own pitch reset status, so when a deck is changed (via top deck selector/midi channel button) the mid LED shows the pitch reset status of the new deck.

**Customizing & Calibration:** Dark Fader firmware offers an inbuilt Power-On Setup Mode. This allows customizing and storing user specific preferred settings (fader mid position / mid range size / sensitivity / midi soft takeover / reset).

