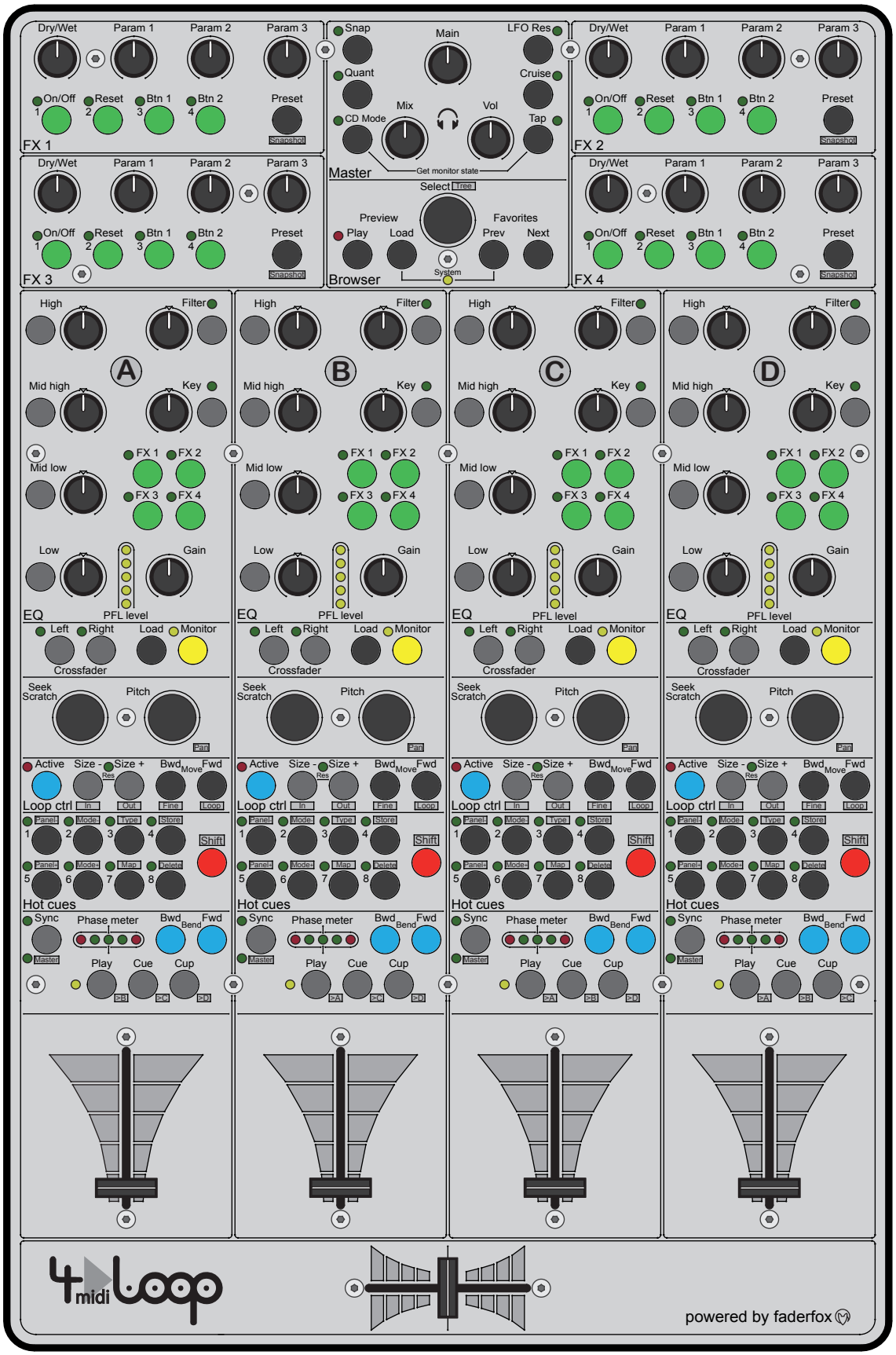
User manual


Dry/Wet
Param 1
Param 2
Param 3
On/Off
Reset
Btn 1
Btn 2
Preset
Snapshot
FX 1
FX 2
FX 3
FX 4
Snap
Quant
CD Mode
Main
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Get monitor state
Select
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System
Browser
High
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Mid high
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Low
Gain
A
B
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EQ
PFL level
Left
Right
Load
Monitor
Crossfader
Seek
Scratch
Pitch
Pan
Active
Size -
Size +
Bwd
Move
Fwd
Res
Loop ctrl
In
Out
Fine
Loop
Panel
Mode
Type
Store
Panel+
Mode+
Map
Delete
Shift
Hot cues
Sync
Phase meter
Bend
Master
Cue
Cup
PA
PB
PC
PD
powered by faderfox

Provision of guarantee and product liability

The seller warrants for faultless material and proper manufacture for a period of 24 months from the date of sale to the end user.
Excluded from the stated guarantee are defects on parts as the result of normal wear-and-tear. These parts are mostly faders (sliding guides), potentiometers, encoders, buttons and USB connection.
Also excluded from the guarantee are damages that are the result of :
incorrect or inappropriate handling, excessive force, mechanical or chemical influences, incorrectly connecting the instrument with other instruments, incorrect or inappropriate use.
The warranty is void if the instrument is opened or changed. In addition, there is no warranty for individual parts and components (in particular, semiconductors) and disposables/ consumables. The seller is not liable for consequential damages which are not the result of criminal intent or negligence on his part. The following conditions must be met in order to claim the warranty services:

- Instrument is either in its original packaging or similar packaging.
- Copy of the invoice with the serial number clearly visible.
- Meaningful error report or description of the error is attached.

The buyer assumes all costs and dangers of return shipments to the manufacturer

Safety precautions and servicing

- Instrument's intended use is based on the functions and procedures contained in this manual
- Read all instructions for use as well as all enclosed literature before using the instrument
- Use only in closed rooms (not for outdoor use)
- Never use in a moist or humid environment (laundry rooms, swimming pools, etc, …)
- Not for use in the vicinity of heat sources (radiators, ovens, etc, …)
- Operational temperature is in the range of 0° - + 40° C
- Not for use in the vicinity of flammable material
- The instrument should not be in direct or prolonged contact with sunlight
- Dusty environmental conditions should be avoided
- Connect only USB ports of computers or hubs
- No foreign objects are permitted inside the instrument casing
- No liquids should get inside the instrument casing
- Never let the instrument fall to the ground (casing and/or control elements may be damaged)

If the instrument must be opened (for example, to remove foreign objects from the casing or for other repairs), this may only be done by qualified personnel. Guarantee is void for defects that occur if the instrument was opened by an unauthorised or unqualified person. Use a soft towel or brush to clean the instrument. Please do not use any cleaning liquids or water, so you avoid any damages to the instrument.

Introduction

Thank you for buying the 4midiloop-controller. It is the first controller which allows an entire and simultaneous control over four track or sample decks and four effect-slots in Traktor Pro 2.

This ability is achieved by over 600 electronic components. Only166 keys and almost the same number of Leds allow simultaneous control over nearly all of the operations in Traktor Pro as well as indicating all the important visual feedback signals of the controller's software.
Each device has a control for every function, which makes operating a mix of four decks most enjoyable.

The Controller attracts, not only by ergonomics and functionality but also with its revolutionary stylish light-aluminium body.

4midiloop is great new hardware for ambitious DJ's, created to provide excitement and inspiration for many years to come.

Features

Hardware specifications

- **47 Potentiometer** FX, Master, EQ
- **9 Encoder** Browser, Seek / Scratch, Pitch
- **Rubber knobs** for best tactile feeling
- **152 Led's** different colors to display various informations
- **166 Push buttons** in different colors, double functions with shiftbutton
- **5 Fader** Eclectic Breaks - Pro X Fade Linefader, Crossfader
- **USB bus powering** Power supply via USB- Bus / consumption less than 300mA
- **USB interface** class compliant / no driver necessary

Software specifications

- **Special controller** for DJ Software (optimised for Native Instruments, Traktor Pro)
- **Setup Files** for Traktor Pro in current Version **2.0.1** or higher
- **Indication of each relevant state** by feedback data from software
- **System mode** for different basic settings (fader curves, etc.)
- **Sample decks** are fully controllable

Dimensions

- **Dimensions** 11.41" **(**290 mm) x 2.36" (60 mm) x 17.7" (450 mm)
- **Weight** 3.6kg

System requirements

- **Windows® XP** (latest Service Pack, 32 Bit), **Windows Vista®/Windows® 7** (latest Service Pack, 32/64 Bit), Intel® Pentium 4® 2.4 GHz or Intel® Core™ Duo or AMD Athlon™ 64, 2 GB RAM
- **Mac OS® X** 10.5 or 10.6 (latest update), Intel® Core™ Duo, 2 GB RAM
- **General** Monitor with 1024 x 768 screen resolution, USB 2.0, 500 MB free disk space required

Case

- **CNC shaped case** Aluminium from Swiss aircraft industry (Avional)
- **Compact and ergonomic**
- **Eloxalprint** scratch proof layout, clearly designed

Setup Files

- **4midiloop Traktor.zip** all files are suitable for Windows or Mac

Getting started

- Connect the controller with the USB cable before you start the Traktor software.
- Blinking System Led indicates that the controller is not yet recognized by the computer.
- The controller is recognized by the computer as '4midiloop' or 'USB audio device'.
- Import the two setup file's '4MidiLoop V21 sample.tsi' and '4MidiLoop V21.tsi' by clicking the add button in Traktors Preferences / Controller Manager and don't forget to activate the midi- in and midi out ports for both device's.
- Define your basic settings (fader curves, Led brightness etc.) in System Mode. You will find the description under Functions (Browser Sektion).
- Push Get Monitor State (Cd Mode and Tab button at the same time) to synchronize all Led's with the Traktor Software.

Quick References

This appendix provides you with you Quick Reference tables summing up the basic functionality of each control element on your 4midiloop. This gives you a quick and concise overview of all basic functions of your controller.

Shift Functions

Control element	Function
SHIFT Button	All double operations on the deck-sections can be accessed by pressing the red **Shift**-Buttons simultaneously in the respective decks. To retrieve double functions in the FX-, or the Master- and Browser sections, any of the 4 **Shift** buttons may be used.

Switching Track Deck / Sample Deck layout

Important: After switching the controller on resp. Traktor-start, all the required Sample Decks must always be activated by the SHIFT + KEY button!

Control element	Function
SHIFT + KEY Button	Sample Deck layout for deck A,B,C or D
SHIFT + FILTER Button	Track Deck layout for deck A,B,C or D

FX1-3 Section

Control element	Function
DRY/WET knob	Adjusts the ratio between unprocessed (dry) signal and processed (wet) signal
PARAM 1-3 knob	In single mode: FX-parameter 1-3 (FX-dependent) In group mode: parameter for the 1st, 2nd and 3rd FX
FX4 Button 1-4	In single mode: FX Button 1 activates / deactivates FX Unit globally (Led is lit when activated). FX Button 2 resets all FX parameters to their default value (short Led flash). FX Button 3 and 4: FX-dependent (Led is lit when activated) In group mode: FX Button 2-4 activates / deactivates FX slot 1-3 (Led is lit when slot activated)
PRESET Button	In single mode: Hold Preset button to select presets by buttons 1 to 4 (Led is lit), turn the potentiometers Dry / Wet to select FX types. FX types will be stored in device by releasing Preset button In group mode: Hold Preset button to select presets by buttons 2 to 4 (Led is blinking), turn the potentiometers Param1, 2 or 3 to select FX types. FX types will be stored in device by releasing Preset button
SHIFT + PRESET Button	By using the Shift and Preset button, a Snapshot can be made, which saves the current effect settings as a default

FX4 Section

Control element	Function
SHIFT + FX4 Button 1	Activation of the control for the FX4 section
DRY/WET knob	Adjusts the ratio between unprocessed (dry) signal and processed (wet) signal.
PARAM 1-3 knob	In single mode: FX-parameter 1-3 (FX-dependent) In group mode: parameter for the 1st, 2nd und 3rd FX
FX4 Button 1-4	In single mode: FX Button 1 activates / deactivates FX Unit globally (Led is lit when activated). FX Button 2 resets all FX parameters to their default value (short Led flash). FX Button 3 and 4: FX-dependent (Led is lit when activated) In group mode: FX Button 2-4 activates / deactivates FX slot 1-3 (Led is lit when slot activated)
PRESET Button	In single mode: Hold Preset button to select presets by buttons 1 to 4 (Led is lit), turn the potentiometers Dry / Wet to select FX types. FX types will be stored in device by releasing Preset button In group mode: Hold Preset button to select presets by buttons 2 to 4 (Led is blinking), turn the potentiometers Param1, 2 or 3 to select FX types. FX types will be stored in device by releasing Preset button
SHIFT + PRESET Button	By using the Shift and Preset button, a Snapshot can be made, which saves the current effect settings as a default

Master Clock

Control element	Function
SHIFT + FX4 Button 2	Activates the Master Clock control in the FX4 section
DRY/WET knob	By turning the DRY/WET knob, the Master Tempo changes in BPM
FX4 Button 1	Adjusts the Master Tempo in small stepps down
FX4 Button 2	Adjusts the Master Tempo in small stepps up
FX4 Button 3	By pressing, the Master Tempo is slowed down (tempo bend down). When released, the Master Tempo jumps back to the default value
FX4 Button 4	By pressing, the Master Tempo is accelerated (tempo bend up). When released, the Master Tempo jumps back to the default value
PRESET Button	Tick on / off. Tick: toggles an audible Clock Tick on and off to simulate a metronome

Loop Recorder

Control element	Function
SHIFT + FX4 Button 3	Activates the Loop Recorder control in the FX4 section
DRY/WET knob	Adjusts the mix between master output and Loop Recorder output
PARAM 1 knob	Selects the size of the loop to be recorded
FX4 Button 1	Rec Button No loop stored: Starts/stops recording a loop Loop stored: Starts/stops overdub recording
FX4 Button 2	Play Button Starts/stops playback of the recorded loop
FX4 Button 3	Delete Button Deletes the whole loop (and all its layers)
FX4 Button 4	Undo / Redo Button Loop playing: Undoes/redoes the last overdub layer
PRESET + HOTCUE 5-8 Button	Loads the recorded loop in a Sample Deck Slot 1-4

Audio Recorder

Control element	Function
SHIFT + FX4 Button 4	Activates the Audio Recorder control in the FX4 section
DRY/WET knob	Record Gain With the Gain knob you can adjust the level for recording. The Recording meter helps you to set the right level
FX4 Button 1	Record Start / Stop Start recording by clicking the Recorder button. Clicking it again stops recording and saves the recorded file in the Audio Recordings folder
FX4 Button 2	Cut Button By clicking Cut, TRAKTOR saves the current recording and seamlessly starts a new file for recording
FX4 Button 3	No function
FX4 Button 4	switches Broadcast on / off

Master Section

Control element	Function
MAIN knob	The Main volume potentiometer controls the overall output level
MIX knob	the Mix potentiometer controls the headphone mix between the Master and the Monitor signal
VOL knob	You can adjust the Monitor Output level for your headphones by using the Vol potentiometer. The desired headphone signal can be activated with the Monitor button underneath the EQ section
SNAP Button	Snap snaps into the closest beat of the waveform display
QUANT Button	Quant enables the quantised change between both Hotcues and/or loops for real-time remixing
SHIFT + QUANT Button	By pushing Shift and Quant at the same time, the PFL Level Led's can be switched on or off in PFL mode
CD MODE Button	The CD Mode is deleted in Trakor Pro 2
SHIFT + CD MODE Button	By pushing Shift and CD Mode at the same time, the PFL Level Led's can be switched on or off in AFL mode
LFO RESET Button	LFO Reset resets the LFO for all LFO based effects
CRUISE Button	Cruise activates the automatic playback of an entire playlist (Autoplay).
TAB Button	Tab tapping rhythmically on this button manually sets the master clock tempo
SHIFT + TAB Button	By pushing Shift and Tab at the same time, midi clock sync can be switched on or off. The Tab Led is blinking, if the midi clock sync is switched on.
CD MODE + TAB Button	By pushing CD Mode and Tab at the same time, Get monitor state is activated and synchronises the 4midiloop Led's with the current status of the Traktor Software. By pushing CD Mode and Tab at the same time (2 seconds), Get monitor state is activated and synchronises the Traktor Software with the current status of the 4midiloop potentiometers and faders.

Browser Section

Control element	Function
SELECT Encoder	The select encoder with a push function allows browsing through folder and playlists. Simply turn the push encoder to find the track you want and push to expand the browser window to fill the screen. Additionally, by activating the Shift button, the folder list can be scrolled (Tree: track collection, playlists, itunes etc.), which can be opened and closed by pushing the browser rotary button. The chosen track can be uploaded to the deck by using the Load button underneath the EQ section
PREVIEW LOAD Button	A track can be uploaded from the browser list to the preview player with Preview Load
PREVIEW PLAY Button	By pressing the Preview Play button, the chosen tracks can be stopped or started again (if pushed once more)
SHIFT + PREVIEW PLAY Button	If Shift and Preview Play are pushed at the same time, the Preview Player moves backwards
SHIFT + PREVIEW LOAD Button	If Shift and Preview Load are pushed at the same time, the Preview Player moves forwards
FAVORITES PREV Button	Favorites provide direct access to Playlists or folders. Favourite tracks can be selected via Prev and uploaded to the browser
FAVORITES NEXT Button	Favorites provide direct access to Playlists or folders. Favourite tracks can be selected via Next and uploaded to the browser
PREVIEW LOAD + FAVORITES PREV Button	If Preview Load and Favorites Prev are pushed at the same time (2 seconds), System Mode is activated and the System Led is lit. In System Mode, you can manage following four basic settings: • Pushing button 1 in the FX1 section, defines the midi channels 1 to 4 • Button 2 in the FX1 section defines the midi channels 5 to 8 • Button 3 in the FX1 section defines the midi channels 9 to 12 • Button 4 in the FX1 section defines the midi channels 13 to 16 • Pushing button 1 in the FX2 section, defines „linear“ line fader curves • Button 2 in the FX2 section defines „rapid“ line fader curves • Button 3 in the FX2 section defines „switch“ line fader curves • Pushing button 1 in the FX3 section, defines the Led brightness 1 (dark) • Button 2 in the FX3 section defines the Led brightness 2 • Button 3 in the FX3 section defines the Led brightness 3 • Button 4 in the FX3 section defines the Led brightness 4 (bright) • Pushing button 1 in the FX4 section, defines „linear“ cross fader curve • Button 2 in the FX4 section defines „rapid“ cross fader curve • Button 3 in the FX4 section defines „switch“ cross fader curve Push the Preview Load and Favorites Prev buttons for about 2 seconds to leave the System Mode. The System Led is off. Get Monitor state must be activated again. Blinking System Led indicates, that the 4midiloop controller is not yet recognized by the computer.

EQ Section

Control element	Function
EQ knob	In the Xone-setting, the equalizer is a 4-band-EQ and can adjust the frequency content of the track being played
KILL Buttons	Pressing the buttons next to the knobs switches the corresponding frequencies on or off (Kill-function)
PFL LEVEL Led	The PFL Level Led's display the pre-fader level of the deck's signal in PFL mode (Pre Fader Level). In AFL mode (After Fader Mode) the Led's display the after-fader level of the deck's signal. The deck level can be adjusted with the Gain knob
FX1 Button	If the effect assign button FX1 is pressed, the corresponding deck to control slot 1 will be allocated
FX2 Button	If the effect assign button FX2 is pressed, the corresponding deck to control slot 2 will be allocated
FX3 Button	If the effect assign button FX3 is pressed, the corresponding deck to control slot 3 will be allocated
FX4 Button	If the effect assign button FX4 is pressed, the corresponding deck to control slot 4 will be allocated
FILTER knob	The Filter potentiometer provides control over the bipolar channel filter. The filter can be activated by pushing the button next to the knob. The centre position remains neutral. By turning the filter knob left, it results in a low-pass filter and to the right, a high-pass filter
FILTER Button	Switches the Filter on / off
KEY knob	Track Deck mode: The Key Lock potentiometer controls the track's musical key. Turning it to the right, raises the key, turning it to the left, lowers the key. The Key Lock can be activated by pressing the button next to the knob. Sample Deck mode: (see Sample Deck p.14)
KEY Button	Track Deck mode: switches Key Lock on / off Sample Deck mode: (see Sample Deck p.14)

Crossfader Section

Control element	Function
CROSSFADER LEFT / RIGHT Button	The Deck assign buttons assigns the desired decks left or right to the crossfader. The led for the assigned deck flashes. You define which decks are audible on the left and right position of the crossfader. A deck that is not assigned to one side of the crossfaderis only controlled by the channel fader.
LOAD Button	The chosen track can be uploaded to the track deck by using the Load button
SHIFT + LOAD Button	Track deck size changes by pushing Shift and Load at the same time
MONITOR Button	The desired headphone signal can be activated with the Monitor button
SHIFT + MONITOR Button	Pushing the Shift and Monitor button at the same time, switches the advanced track deck panel on or off

Seek / Scratch and Pitch Section

Control element	Function
SEEK Encoder	Track Deck mode: The Seek / Scratch encoders are used for coils in the decks. The track will be forwarded to the end by turning the encoders clockwise, for rewinding back to the start, anti-clockwise. Sample Deck mode: (see Sample Deck p.14)
SEEK Encoder pushed	Track Deck mode: Push and turn the encoder at the same time, scratches in the decks Sample Deck mode: (see Sample Deck p.14)
SHIFT + SEEK Encoder	Track Deck mode: With deck zoom, the waveform display in the deck window increases or decreases. Deck Zoom doesn't works in deck size Micro and Small. Sample Deck mode: (see Sample Deck p.14)
SHIFT + SEEK Encoder pushed	Track Deck mode: Zooms the waveform display in the deck window directly to the preset value of -0.7 Sample Deck mode: (see Sample Deck p.14)
PITCH Encoder	Track Deck mode: The Pitch encoders slow down or speed up the tempo of the track. The Pitch encoders offer the same functionality as a pitch fader on any standard DJ turntable or pitchable CD player. To adjust the tempo faster in steps, turn the encoder clockwise. To adjust the tempo slower, turn the encoder anticlockwise. Sample Deck mode: (see Sample Deck p.14)
PITCH Encoder pushed	Track Deck mode: Push and turn the Pitch encoder at the same time, changes the tempo in small steps Sample Deck mode: (see Sample Deck p.14)
SHIFT + PITCH Encoder	Track Deck mode: Additionally by pressing Shift, the Pan knob is controlled. With the Pan knob you can control the balance between the left and right stereo channels for each deck individually. Sample Deck mode: (see Sample Deck p.14)
SHIFT + PITCH Encoder pushed	Track Deck mode: Track Tempo reset (original tempo) Sample Deck mode: (see Sample Deck p.14)

Loop ctrl Section

Control element	Function
LOOP ACTIVE Button	Track Deck mode: To activate / deactivate a loop push the Active button. The Led indicates activation or deactivation of a loop Sample Deck mode: (see Sample Deck p.14)
LOOP SIZE +/- Button	Track Deck mode: Press the Size +/- Button to obtain higher or lower value of the loop length Sample Deck mode: (see Sample Deck p.15)
LOOP SIZE - Button + LOOP SIZE + Button	Track Deck mode: Press the Size + and Size – button at the same time, it will reset the loop lenght to one loop. The Res Led is lit Sample Deck mode: (see Sample Deck p.15)
LOOP BWD MOVE Button	Track Deck mode: The active loop with the chosen length of the track is moved back by pressing Move Bwd Sample Deck mode: (see Sample Deck p.15)
LOOP FWD MOVE Button	Track Deck mode: Move Fwd on the contrary, moves the active loop forward Sample Deck mode: (see Sample Deck p.15)

SHIFT + LOOP SIZE - / SIZE + Button	Track Deck mode: Push the Shift and Size- button (In) to set the start point of the loop. Push the Shift and Size+ button (Out) to set the end point of the loop. The track will begin to loop between these two points and the Active Led flashes. To stop looping, press the Active button.
SHIFT + LOOP BWD / FWD MOVE Button	Track Deck mode: Loop or Fine can be activated by pressing the Shift button in the loop mode. If Loop is activated, the loop will be moved a full Loop length. If Fine is activated, the loop can be moved in small displacements. Sample Deck mode: (see Sample Deck p.15)

Hotcue Section

Control element	Function
HOTCUE 1-8 Button	The hotcue section has eight Hotcue buttons numbered from 1 to 8. In Traktor, you can assign any stored Cue Point or Loop to one of the 8 Hotcue buttons. This allows for instant access to your most important Cue Points and Loops. Using stored Cue Points, you can mark specific positions in your tracks; e.g. beginning vocals, instrumentals or breaks. Storing a Cue Point instantly maps it to the next available Hotcue. Sample Deck mode: (see Sample Deck p.15)
SHIFT + HOTCUE 1 / HOTCUE 5 Button	Track Deck mode: With Panel +/- you can switch on the Move, Cue or Grid panel Sample Deck mode: (see Sample Deck p.15)
SHIFT + HOTCUE 2 / HOTCUE 6 Button	Track Deck mode: With Mode +/- you can switch in Move panel on BeatJump, Loop, Loop in or Loop out Sample Deck mode: (see Sample Deck p.15)
SHIFT + HOTCUE 3 Button	Track Deck mode: With Type you'll define the cue point type (Cue, Fade in, Fade Out, Load, Grid or Loop). Currently not available in Traktor Pro 2. Im Sample Deck Betrieb: (siehe Sample Deck S.15)
SHIFT + HOTCUE 4 / HOTCUE 8 Button	Track Deck mode: With Store you can store cue points, and with Delete you can delete it. Sample Deck mode: (see Sample Deck p.15)
SHIFT + HOTCUE 7 Button	Track Deck mode: If you want to change the assignment; push the assigned Hotcue button, then push the Map and then on the new Hotcue button. Sample Deck mode: (see Sample Deck p.15)

Transport Section

Control element	Function
PLAY Button	Track Deck mode: Push the Play button to start or stop playback. The Led indicates activation or deactivation of Play, at track end warning the Play Led is blinking Sample Deck mode: (see Sample Deck p.15)
CUE Button	Track Deck mode: The Cue button has multiple functions depending on the playback state of the track. On a paused deck, pushing Cue sets a new current cue Point at the current play position. In Snap mode this cue point will snap to the beat nearest the play position. Pushing Cue during playback jumps the current play position back to the previously set current cue point and stops playback Sample Deck mode: (see Sample Deck p.15)
CUP Button	The Cup button behaves similarly to Cue, but stops playback as long as it is held down. On a paused deck, pressing Cup sets a current cue point and starts playback when upon releasing the button. Clicking Cup during playback jumps the current play position back to the current cue point and pauses playback. Release the button to resume playback.
SHIFT + PLAY / CUE / CUP Button	Track Deck mode: Push the Shift and >A,B,C,D button to load a running track in to another deck where it will run synchronously. Sample Deck mode: (see Sample Deck p.15)
SYNC Button	Track Deck mode: Push the Sync button, to automatically match the tempo and the phase of the playing track to: the master deck or the master clock, if no deck is selected as master deck. The Sync button can be left permanently on. However, sometimes a deck cannot be synced at the moment, then the Sync button on the screen will be appear half-lit. The Master Deck gives the target tempo to which other decks can sync. In Auto mode Traktor will automatically select the Master Deck depending on which track has the longest uninterrupted playtime. Sample Deck mode: (see Sample Deck p.15)
SHIFT + SYNC Button	In Manual mode the master deck can be selected by pessing the Master button on the desired deck.
PITCH BEND BWD / FWD Button	The Pitch Bend buttons are used if two tracks are playing at the same tempo, but their phase is slightly shifted. This is similar to nudging a record to slow down or speed up as the tracks go slightly out of sync. Press the Bwd button to slightly slow down the track and the Fwd button to speed it up.
PHASE METER Led's	The Phase meter is a visual reference for syncing tracks. It shows you if a track is in or out of sync with the Master Deck or the Master Clock. If two tracks' Phases are synced, the meter will stay in the middle. If one track's phase is shifted backward, a green or red led will appear left of the center marker. If a track's phase is shifted forward, a green or red led will appear right of the center marker. Sample Deck mode: (see Sample Deck p.15)
SHIFT + SNAP Button	Switches the Phase Meter on or off (for all the decks together)

Fader Section

Control element	Function
CHANNEL Fader	The Channel Fader adjust the channel volume
CROSS Fader	The Crossfader enables transitions between decks by dragging it from one side to the other
PREVIEW LOAD + FAVORITES PREV Button	For the line faders and cross fader, there are three different curves (Linear, Rapid, Switch) available which can be set in the system mode (see Browser Section p.9).

Switching Track Deck layout / Sample Deck layout

Control element	Function
SHIFT + KEY Button	Sample Deck layout for deck A,B,C or D
SHIFT + FILTER Button	Track Deck layout for deck A,B,C or D
2 x SHIFT + FILTER Button	Advanced Track Deck Size, only works if deck A and B or deck C and D are defined as „Track Deck Layout“.

Sample Deck

Control element	Function
KEY knob	Sample-Tempo *
KEY Button	Reset Sample-Tempo *
KEY Led	Led is lit if KEY Potentiometer is in middle position or Reset Sample Tempo is pressed (Original Tempo) *
SEEK Encoder	Adjusts the volume in sample slot 1
PITCH Encoder	Adjusts the volume in sample slot 2
SEEK Encoder pushed	Adjusts the volume in sample slot 3, if Seek encoder is pressed and turned at the same time
PITCH Encoder pushed	Adjusts the volume in sample slot 4, if Pitch encoder is pressed and turned at the same time
SHIFT + SEEK Encoder	Adjusts the Filter amount in sample slot 1
SHIFT + PITCH Encoder	Adjusts the Filter amount in sample slot 2
SHIFT + SEEK Encoder pushed	Adjusts the Filter amount in sample slot 3, if Shift is pressed and Seek encoder is pressed and turned at the same time
SHIFT + PITCH Encoder pushed	Adjusts the Filter amount in sample slot 4, if Shift is pressed and Pitch encoder is pressed and turned at the same time
LOOP ACTIVE Button	Switches all slots 1-4 in play- mode Loop, if no slot is selected If one slot is selected, the selected slot toggles between Play- mode Loop and Play-mode One- Shot
SHIFT + LOOP ACTIVE Button	Switches all slots 1-4 in play- mode One- Shot, if no slot is selected

LOOP ACTIVE Led	Play- mode Loop, Led is lit. Play- mode One- Shot, Led is unlit *
LOOP SIZE - Button	Halves size of samples *
LOOP SIZE + Button	Doubles size of samples. Expanding the sample size fills the sample up with silence *
LOOP SIZE - Button + LOOP SIZE + Button	Reset to original sample size . RES Led is blinking once *
LOOP BWD MOVE Button	sets the volume of sample slot 1-4 to the half value
LOOP FWD MOVE Button	sets the volume of sample slot 1-4 to the maximum value
SHIFT + LOOP BWD MOVE Button	Resets the filter of sample slot 1-4 (cental position)
SHIFT + LOOP FWD MOVE Button	Switches the filter of sample slot 1-4 on or off
HOTCUE 1-4 Button	Copies a sample from the associated track deck in the respective sample slot, if the slot is empty. Example: Track deck A in sample deck C or track deck C in sample deck A. Track deck B in sample deck D or track deck D in sample deck B. The Hotcue button 1-4 controls following additional functions: Play sample slot 1-4 and mute / unmute sample slot 1-4
SHIFT + HOTCUE 1-4 Button	Loads a sample from the browser in the respective sample slot 1-4, if the sample slot is empty. Deletes a sample from the respective sample slot 1-4, if the sample slot is loaded with a sample (also possible during playback!)
HOTCUE 1-4 Led	Led is lit, if a sample slot 1-4 is loaded with a sample. Led is unlit, if a sample slot 1-4 is empty
HOTCUE 5-8 Button	Press and hold to trigger sample slots. Upon release, playback stops and skips back to start
HOTCUE 5-8 Led	Led is lit if a sample is played in slot 1-4 and the slot is not muted
SHIFT + HOTCUE 5-8 Button	Selects / deselects a sample slot 1-4
SHIFT + HOTCUE 5-8 Led	The selected sample slot Led is lit by pressing the Shift button
SYNC Button	Re-synchronizes samples in looped mode with the current tempo master *
SYNC Led	Led is blinking once, if the Sync button is pressed
PLAY Button	Press to start playback of sample slots 1-4 (group play). Press again to stop playback and reset it to start position.
PLAY Led	Led Is lit, if the Play button is pressed (group play)
CUE Button	Press and hold the Cue button to trigger sample slots 1-4 (group trigger). Upon release, playback stops and skips back to start
PHASE METER Led's	Led display rotates when at least one sample slot is playing (even if muted)

* Applies to all sample slots or only to those selected via SHIFT + Hotcue buttons 5-8.

Extensions

All the controls in Traktor Pro may be assigned to new functions, which are accessed in the Preferences/Controller-Manager.
Particulars are given in the Traktor Pro manual.

Since many shift functions of the controller remain unassigned, the following extensions are suggested:

- EQ- potentiometers
- FX- potentiometers
- Potentiometers in the Master-section
- Green buttons in FX- and EQ- sections
- Grey buttons in EQ- sections

As long as Leds are allocated to buttons, they may be controlled by the same Midi- commands as those for the buttons.
For information about the numbers of the particular Midi- commands, first check the included list of the corresponding functions.