OP–1 field

fl studio controller
user guide

by: a candle

explanation

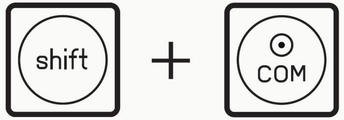
the controller starts off assuming it is in the base OP-1 field mode, allowing for basic transport control. upon swapping to midi control within the synth will enable control mode for fl studio.

the controller tries to detect when the swap from control mode back to base operation.

each of fl studio's main windows have an associated mode, accessible by pressing the blue encoder when in the window. the specific context mode allows for more deeper control of the window. exiting modes is done by pressing the blue encoder.

enabling control mode

pressing shift + com followed by T2 enables control. the rest of this manual outlines how to operate the OP-1 field to control fl studio.



pressing shift + com when in midi control will return the OP-1 field to midi menu, allowing for normal operation.

navigation

navigation is heavily context dependent, however the keys outlined here stay consistent no matter the window or mode. pressing any window key will reset the control mode.

the microphone key is the panic button. pressing will close all windows in fl and reset to default modes.

the com key will act as an enter keyboard press.

window navigation

the synth key will open the fl studio plugin picker.

the drum key will open and focus the channel rack.

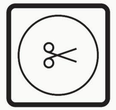
the tape key will open and focus the playlist.

the mixer key will open and focus the fl mixer.

edit

the lift key will emulate a cut hotkey.

the drop key will emulate a paste hotkey.



the slice key will open various menus dependent on context.

the in key will undo once.

the out key will redo once.

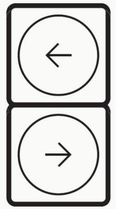
the reverse key will cycle the snap mode.

transport

the record key will toggle recording within fl studio.

the play key will start playback or pause playback.

the stop key will pause during playback and reset to start position when not playing.



the arrow keys will only affect the octave the keyboard plays on.

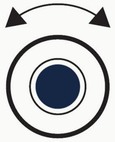
the tempo key will toggle the metronome.

the help key will toggle fl studio to wait for input before playback.

the loop key will toggle loop recording.

the tape break key will swap between song and pattern playback within fl studio.

encoders



rotating the blue encoder will in general change selection for the focused window.

pressing the blue encoder will swap the controller to the associated mode.

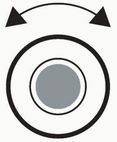
- swapping to a mode will affect the behavior of the encoders. refer to specific mode or window page for navigation key.

encoders

rotating the ochre encoder generally will change a parameter associated with the selected window.

pressing the ochre encoder in most cases will mute what is selected.

encoders



rotating the gray encoder will modify parameters associated with the window.

pressing the gray encoder in most cases will solo what is selected.

- press the gray encoder when in mixer mode to link your selected channel to the mixer track.

encoders

rotating the orange encoder will modify parameters associated with the window.

pressing the orange encoder does various actions depending on the focused window.

- in windows with zoom, the orange encoder will affect the zoom level.

plugin picker

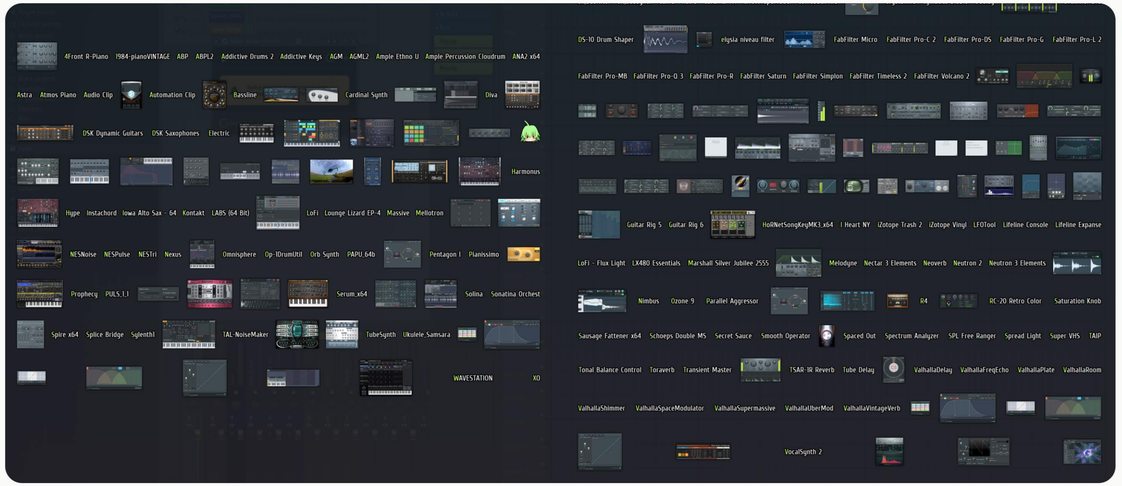
change selection
change group
nyi
nyi

add plugin
exit picker
nyi
nyi

pressing the synth key will open the plugin picker. plugins chosen will be added to the last selected mixer track or to the channel rack.

turning the blue encoder will move your plugin selection. pressing it will confirm the selection.

turning the ochre encoder will change the group. pressing will exit picker.



channel rack

to access the channel rack, press the drum key. the encoders will now modify channel values. the step sequencer is available to edit, highlighted by the red rectangle.

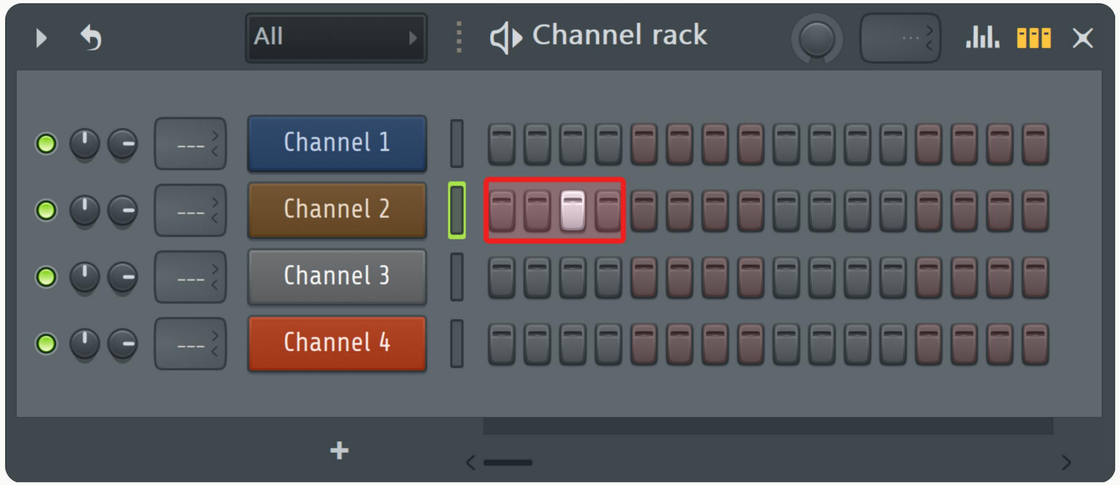
pressing the blue encoder will open the channel's editor and enable midi mode.

the blue encoder will change channel selection, while the ochre encoder handles where in the step sequencer you are.

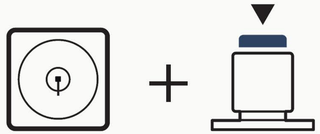
pressing the orange encoder will create a new pattern using the name and color of the selected channel.

pressing T1-T4 will add or delete the corresponding step from the step sequencer.

- select channel
- move grid
- channel volume
- channel pan
- midi mode
- mute channel
- solo channel
- add pattern



midi mode



while focusing the channel rack, pressing the blue encoder will show the channel editor window and enable midi mode.

pressing the blue encoder again will disable midi mode.

in midi mode, pressing the other encoders will change the color channel, allowing for more assignable midi controls.

by default ochre channel is used. only one color channel can be enabled at a time.

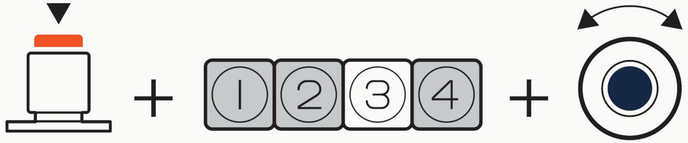
the T1-T4 keys act as a page system, further expanding the possible midi controls.

midi mode allows for 4 x 3 x 4 (48) possible midi assignments.

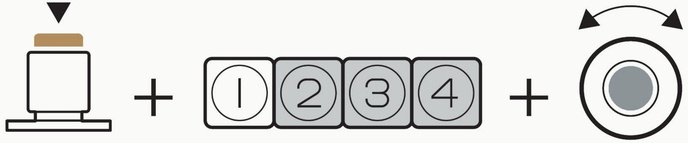
examples

- midi cc
- midi cc
- midi cc
- midi cc

- exit mode
- ochre chan
- gray chan
- orange chan



- orange channel
  page 3
  blue encoder



- ochre channel
  page 1
  gray encoder

playlist

to access the playlist, press the tape key.

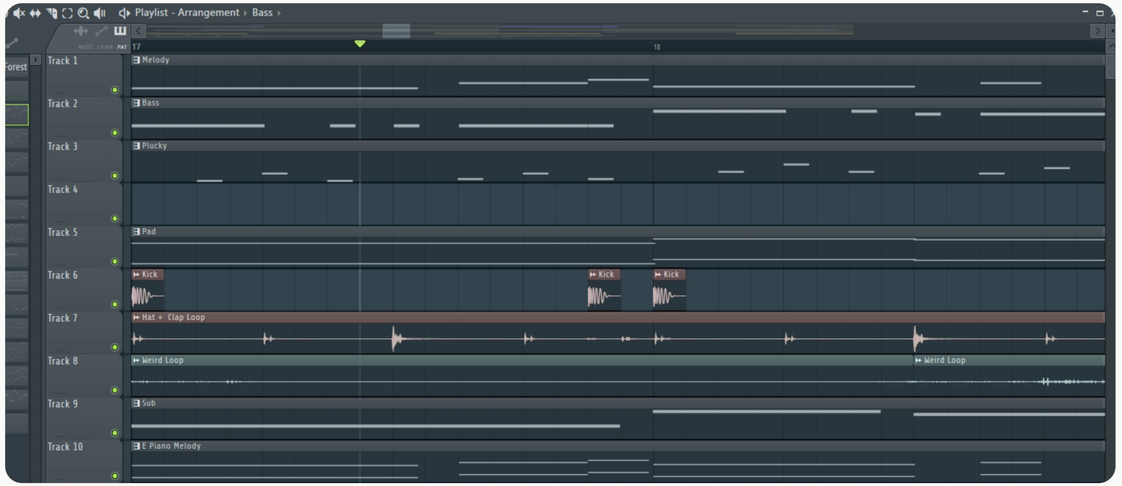
rotating the blue encoder will allow you to select tracks. the screen will scroll vertically to keep your selection in view. similarly, rotating the ochre encoder will keep the playhead in view.

pressing the orange encoder will cycle the playhead scroll speed. the default behavior for the ochre encoder is to move one bar. there are four scroll speeds.

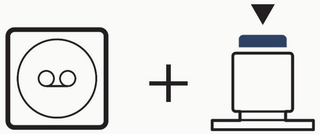
- one press: half bar
- two presses: quarter bar
- three presses: single step
- four presses: single bar

scroll speed is remembered upon changing modes.

- select track
- move playhead
- nyi
- zoom horizontal
- play mode
- mute track
- solo track
- scroll speed



playlist mode



to access play mode, while in the playlist, press the blue encoder. this will change the function of the four encoders.

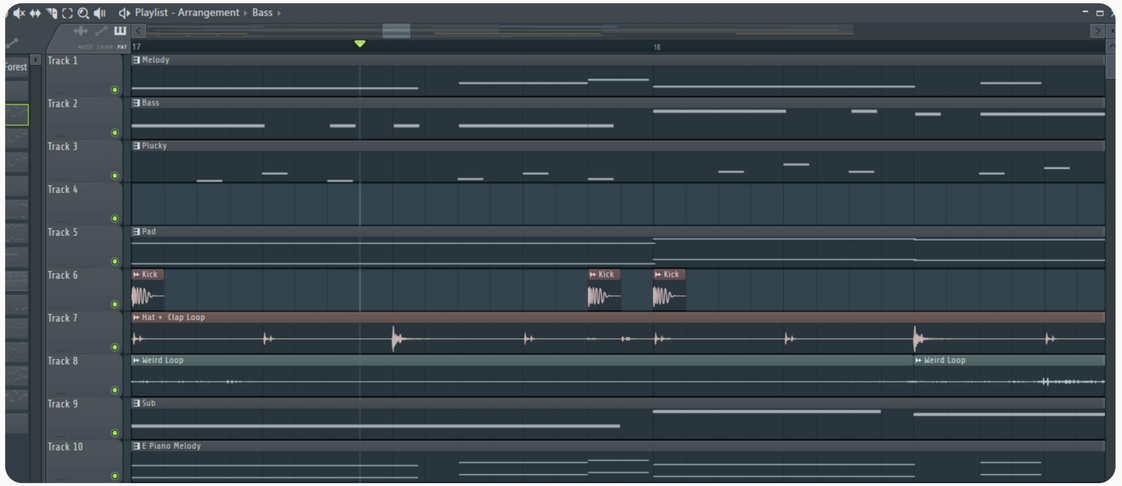
to exit, press the blue encoder, or navigate to another window by pressing a control key.

when in playlist mode, the blue encoder will move the playhead freely.

the ochre encoder will jump to the next marker. pressing will add a marker at the current time using the selected pattern's name.

pressing the orange encoder will start a loop from the current time. pressing again will finish the loop. to clear a loop press the orange encoder again.

- move playhead
- jump marker
- nyi
- zoom horizontal
- exit mode
- add marker
- solo selected
- loop select



mixer

- select track
- track volume
- track pan
- track stereo sep
- mixer mode
- mute track
- solo track
- arm track

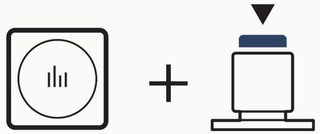
to access the mixer, press the mixer key. the encoders will now control mixer values.

pressing the blue encoder will enable mixer mode. pressing again will exit.

the blue encoder will change track selection. the remaining encoders control the track parameters.

the slice key will open up the ability to select external inputs. pressing the blue encoder will confirm this selection.

mixer mode



to access mixer mode, while in the mixer, press the blue encoder. this will change the function of the four encoders.

pressing the ochre encoder will enable midi mode. exiting midi mode here is done by pressing the blue encoder and will take you back to mixer mode.

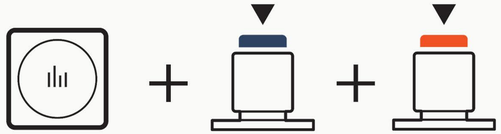
mixer mode allows for more complex control of the selected track.

rotate the orange encoder to begin selection for a routing track. pressing the orange encoder will confirm selection and remove the route to master. re-routing will remove the route and bring back master.

pressing the grey encoder will link the selected channel to the selected mixer track, taking the channel's name and color.

- select slot
- route select
- eq amount nyi
- eq spice nyi
- exit mode
- route confirm
- link channel
- midi mode

midi mode



while in mixer moder pressing the orange encoder will enable midi mode.

pressing the blue encoder will disable midi mode and return you to mixer mode.

there are two ways to access midi mode, through mixer mode or through the channel rack. both ways access the same version of midi mode and will hold the channel and page you exited on.

details

- midi cc
- midi cc
- midi cc
- midi cc

- exit mode
- ochre chan
- gray chan
- orange chan

piano roll

scroll vertical
grid selector
nyi
zoom horizontal

full screen
nyi
nyi
nyi

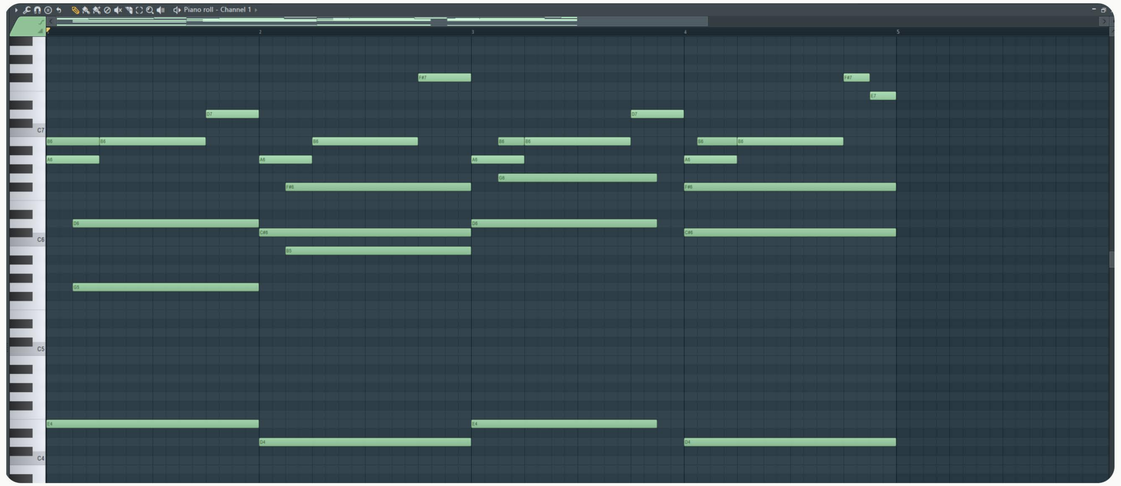
to access the piano roll, press the sequencer key. this can be done from any screen in any mode.

while in this screen the split key will open the piano roll tool menu. use the blue and ochre encoders for selection.

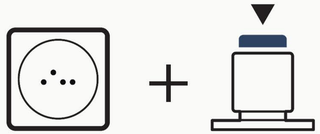
while the piano roll is windowed, the grid selector will be available.

the T1-T4 buttons will add steps to the grid, much like in the channel rack.

pressing the blue encoder will full screen the piano roll and change the behavior of the color encoders.



piano roll



to fullscreen the piano roll, press the blue encoder. pressing it again will exit fullscreen.

while in this screen the split key will open the piano roll tool menu. use the blue and ochre encoders for selection.

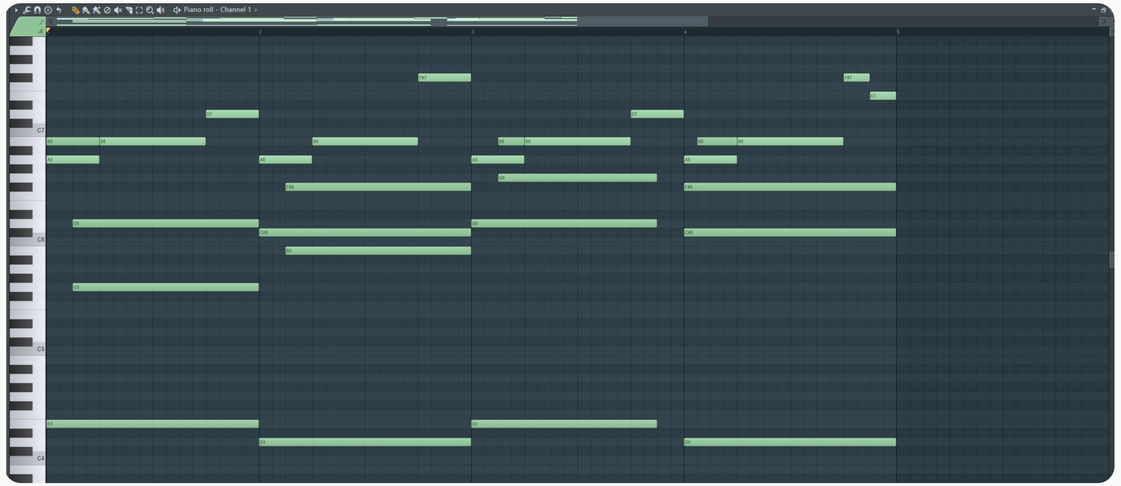
while fullscreened, the ochre encoder will move the playhead.

the T1-T4 buttons will add a note on each beat in the current bar.

rotating the gray encoder will slide the horizontal position of the note nearest to the cursor.

- scroll vertical
- move playhead
- note slide
- zoom horizontal

- exit fullscreen
- nyi
- nyi
- nyi



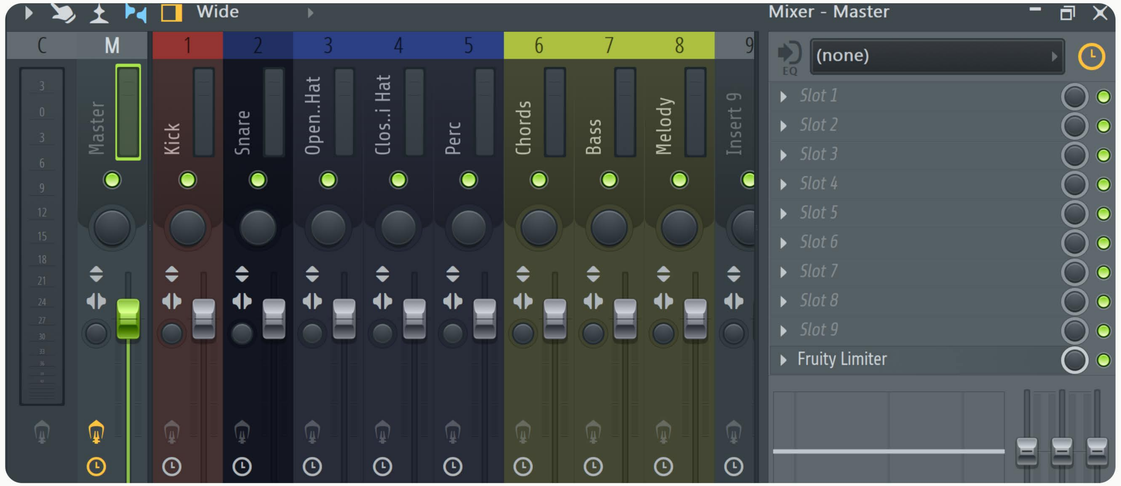
browser

browser select
nyi
nyi
nyi

nyi
nyi
nyi
nyi

to access the browser, press the six key. the encoders will now control selection within the browser.

pressing the six key again swaps back from the browser window. the blue encoder will change browser selection.

to add a sound to your channel rack, press the slice key to open a menu and choose where you would like to add the sound by moving and pressing the blue encoder.

pressing the ochre encoder will canel the selection