PK [Squared] is an application that allows you to use the Pad Kontrol in native mode. It requires Virtual MIDI Ports. On a mac, these ports are built into the OS. On Windows you can use a 3rd party application named "MIDI Yoke".

Setting up PK [Squared] on a Mac:

1) Connect the Pad Kontrol

2) Launch PK [Squared]

When the Pad Kontrol is connected to the computer using USB, it will publish its own MIDI ports to the computer.
It should look like this:

Outputs:
- PadKontrol MIDI Out (Output MIDI from the MIDI Out port on the device)
- PadKontrol CTRL (Output MIDI from the computer to the device)

Inputs:
- PadKontrol MIDI In (Input MIDI from the MIDI In port on the device)
- PadKontrol Port A (Send MIDI from the device to the computer)
- PadKontrol Port B (Send MIDI from the device to the computer)

The names of the ports might be different on your system.

3) Connect the PK [Squared] app to the device

Set the "To PadKontrol 1 CTRL" dropbox to send MIDI to the "padKontrol CTRL" port.
Set the "From PadKontrol 1 Port A" dropbox to receive MIDI from the "PadKontrol Port A" port.
Click the "Enter Native Mode" button.
Now the display on the PadKontrol should read "T.C.O."

4) Connect the PK [Squared] app to Ableton Live

Set the "Notes to Host" dropbox to send MIDI to the "from PK [Squared] 1 " port.
Make sure this port is enabled in Live's preferences to send MIDI to Tracks.
Set the "Notes from Host" dropbox to send MIDI to the "to [Squared] 2 " port.
Make sure this port is enabled in Live's preferences to send MIDI from Tracks.

5) Setup Mackie Control Emulation on PK [Squared]

Set the first dropbox under "To Mackie Control Input of host" to send MIDI to the "IAC Driver Bus 1" port.
In Live's MIDI preferences, set a Control Surface to "Mackie Control" and set it to input MIDI from the "IAC Driver Bus 1" port.

If you do not have the IAC driver available, you will need to activate it in the Audio/MIDI Utility which can be found in / Applications/Utilities.
Go to the MIDI tab and you will see the IAC Driver Bus, double-click on it to make its preferences pop up. Check the "Device is online" checkbox.

Setting up PK [Squared] on a PC:

1) Connect the Pad Kontrol

2) Launch PK [Squared]

When the Pad Kontrol is connected to the computer using USB, it will publish its own MIDI ports to the computer.
It should look like this:

Outputs:
- PadKontrol MIDI Out (Output MIDI from the MIDI Out port on the device)
- PadKontrol CTRL (Output MIDI from the computer to the device)

Inputs:
- PadKontrol MIDI In (Input MIDI from the MIDI In port on the device)
- PadKontrol Port A (Send MIDI from the device to the computer)
- PadKontrol Port B (Send MIDI from the device to the computer)

The names of the ports might be different on your system.

3) Connect the PK [Squared] app to the device

Set the "To PadKontrol 1 CTRL" dropbox to send MIDI to the "padKontrol CTRL" port.

Set the "From PadKontrol 1 Port A" dropbox to receive MIDI from the "PadKontrol Port A" port.
Click the "Enter Native Mode" button.
Now the display on the PadKontrol should read "T.C.O."

4) Connect the PK [Squared] app to Ableton Live

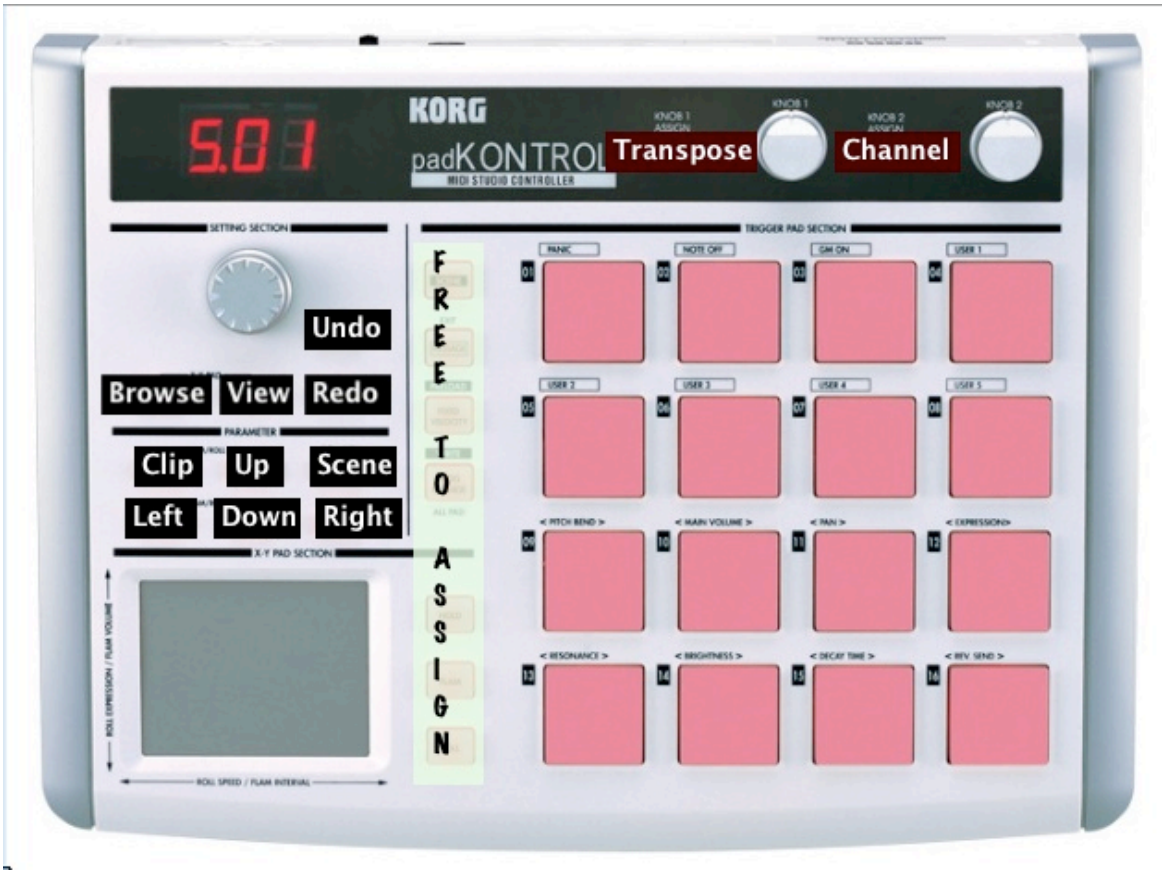
Set the "Notes to Host" dropbox to send MIDI to the "MIDI Yoke 1 " port.
Make sure this port is enabled in Live's preferences to send MIDI to Tracks.
Set the "Notes from Host" dropbox to send MIDI to the "MIDI Yoke 2" port.
Make sure this port is enabled in Live's preferences to send MIDI from Tracks.

5) Setup Mackie Control Emulation on PK [Squared]

Set the first dropbox under "To Mackie Control Input of host" to send MIDI to the "MIDI Yoke 3" port.
In Live's MIDI preferences, set a Control Surface to "Mackie Control" and set it to input MIDI from the "MIDI Yoke 3" port.

Using PK [Squared] in Live:

You can control the lights on the Pad Kontrol by sending notes from Live to the PK [Squared] application. Use a MIDI Track in Live to send MIDI data to the application. On Mac this is the "to [Squared] 2 " port and on PC its the "MIDI Yoke 2" port.



The Transpose and Channel buttons are shift buttons. Hold them and press the pads to change Octave or Channel.