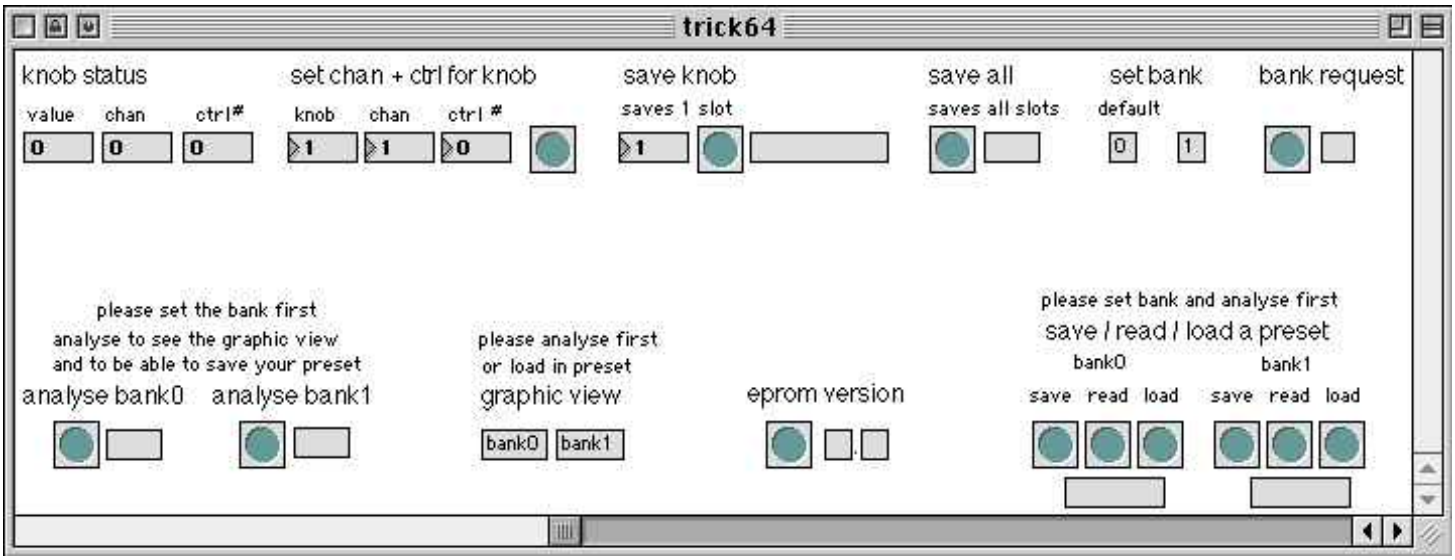
••thank you for downloading••

trick64

version 1.0 august 2001



this editor was designed using cycling74's Max/MSP (www.cycling74.com).
it comes in two flavours:

- as a regular stand alone app, which can be run without additional software,

or, if you prefer,

- as a Max patch, ready for your expansion/manipulation
  (for this you'll need Max/MSP)

trick64 is the easy way to setup your drehbank in order to control your favourite midi gear (drum machine, synth,..) or software synths, Max patches, SuperCollider stuff,... .
check out the overview to get an impression what the editor's features * are.
or jump straight to the quickstart.

* text marked orange is linked text, so you can jump directly to the topic.

overview of the trick64 features:

- show the status of a knob
- set the midi channel + controller# of a knob
- analyse the status of the 64 slots in each bank and display this data graphically
- save bank presets in the eprom of the drehbank
- save knob setting in the eprom of the drehbank
- save and load your bank presets as files on your hard disk
- request the active bank
- display the eprom version

system requirements:

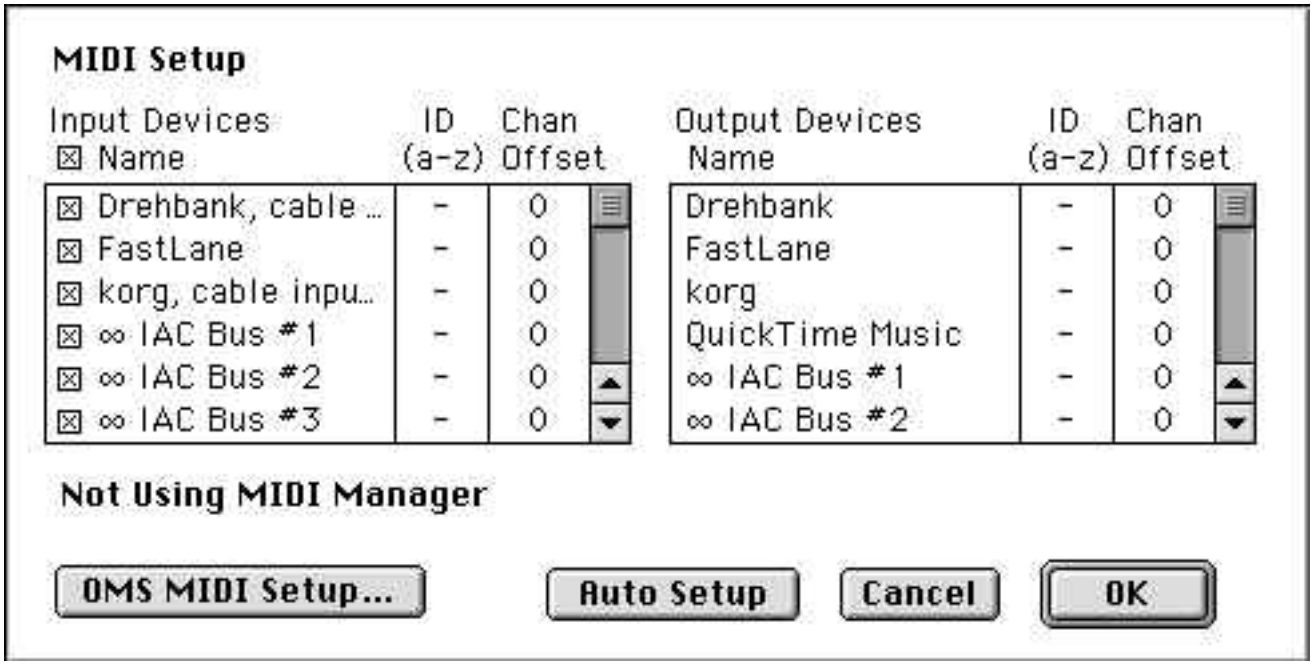
- mac PPC
- midi interface
- OMS setup for the drehbank

all the changes and analysis that you can make refer to the mode in which the drehbank starts up. two changeable and savable banks are then available in the editor referred to as bank0 (default) and bank1.

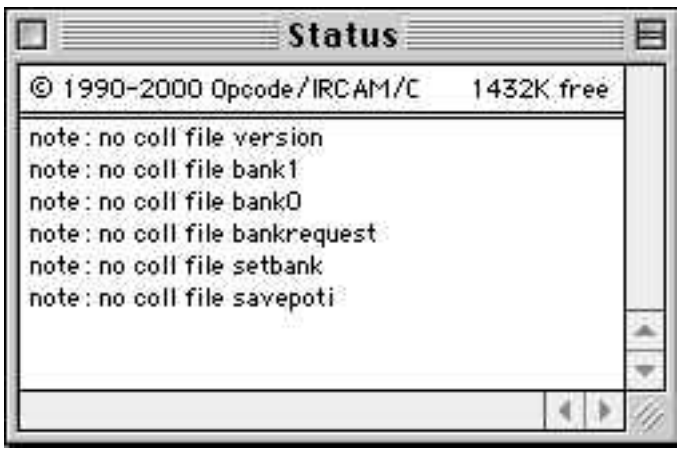
developed / tested

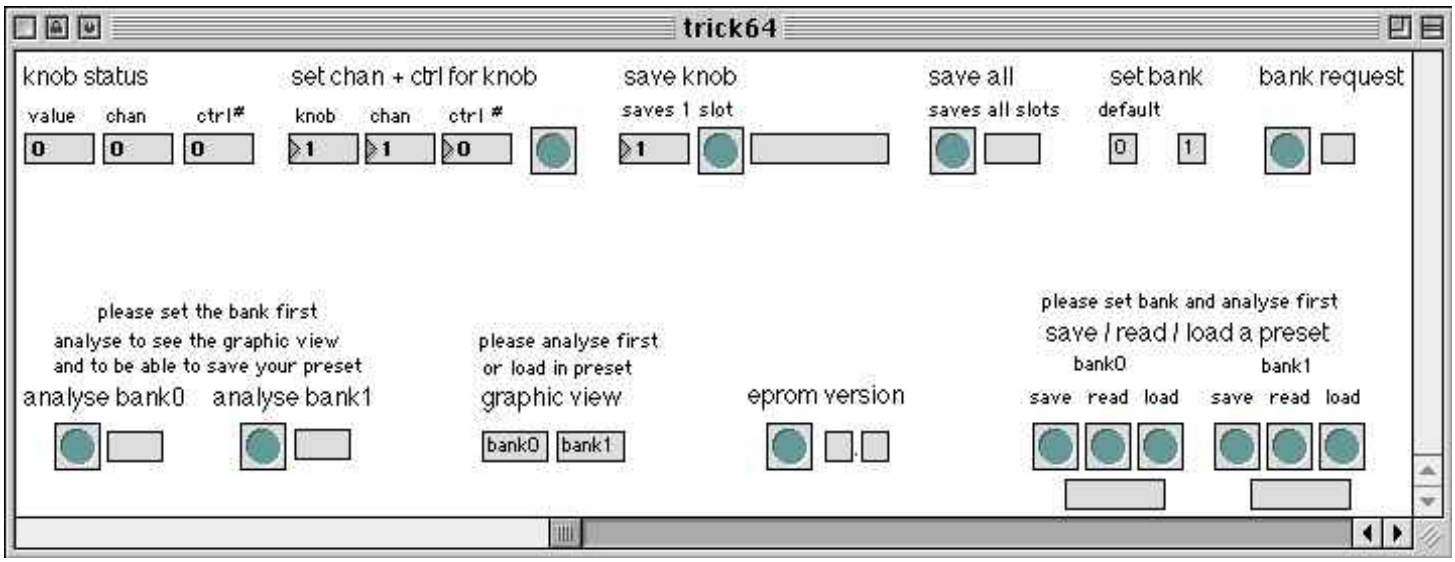
the editor was developed with max 3.6.2.
my drehbank does not look like the one you see on the pictures in this manual. it's older than this.
the editor has been tested on OS 9.0.4 using OMS 2.3.8 and max 3.6.2 and max4.

1. opening the trick64 app, you'll see this midi setup window of the app.
   if the name "Drehbank" appears like this it should be alright.
   click the "OK" button.



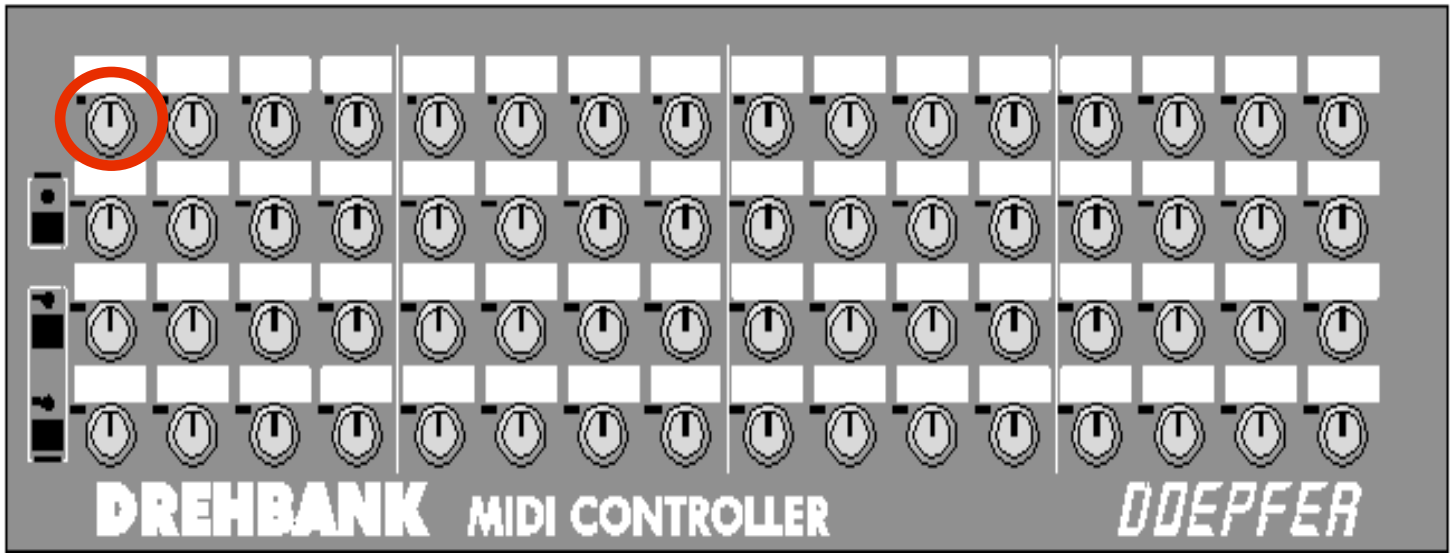
2. the status and editor window appear.



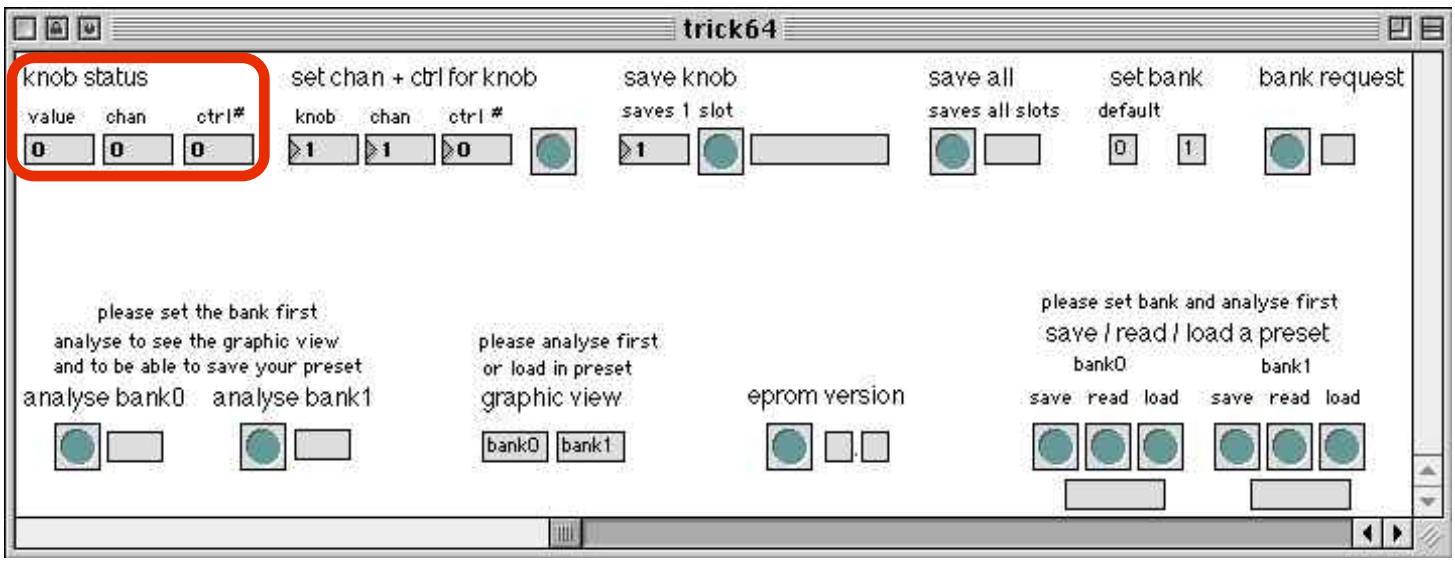


knob status

3. if you turn a knob of the drehbank,



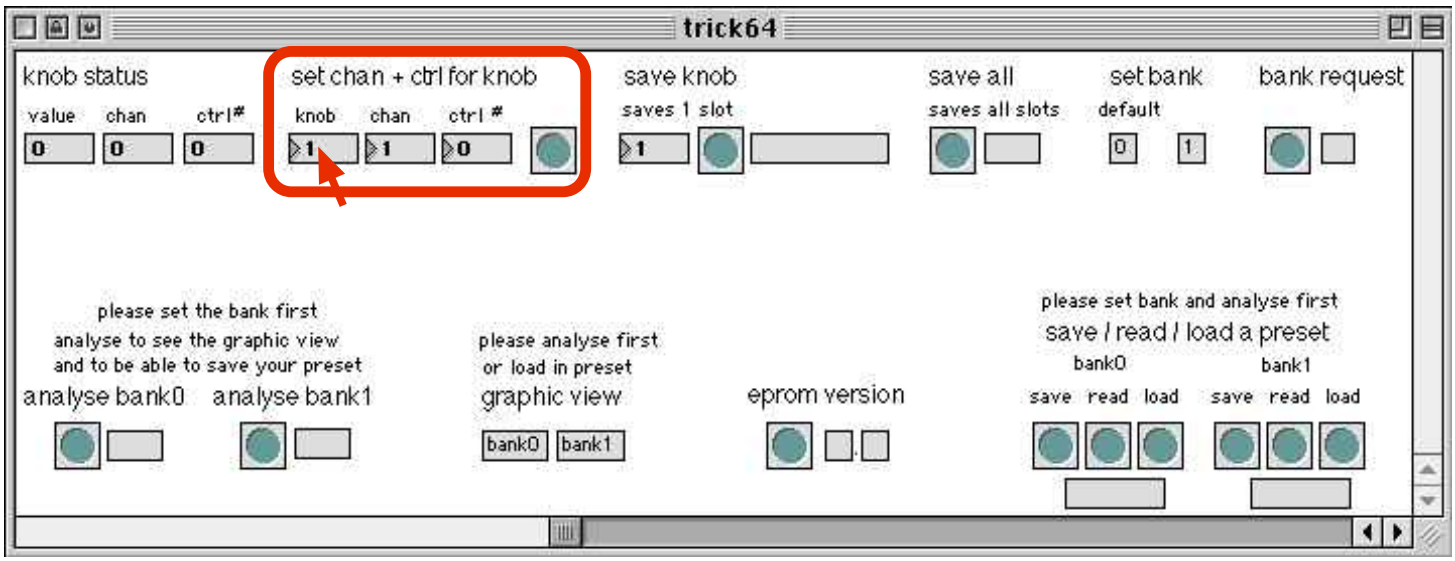
the number boxes of “knob status” should change to the corresponding values.

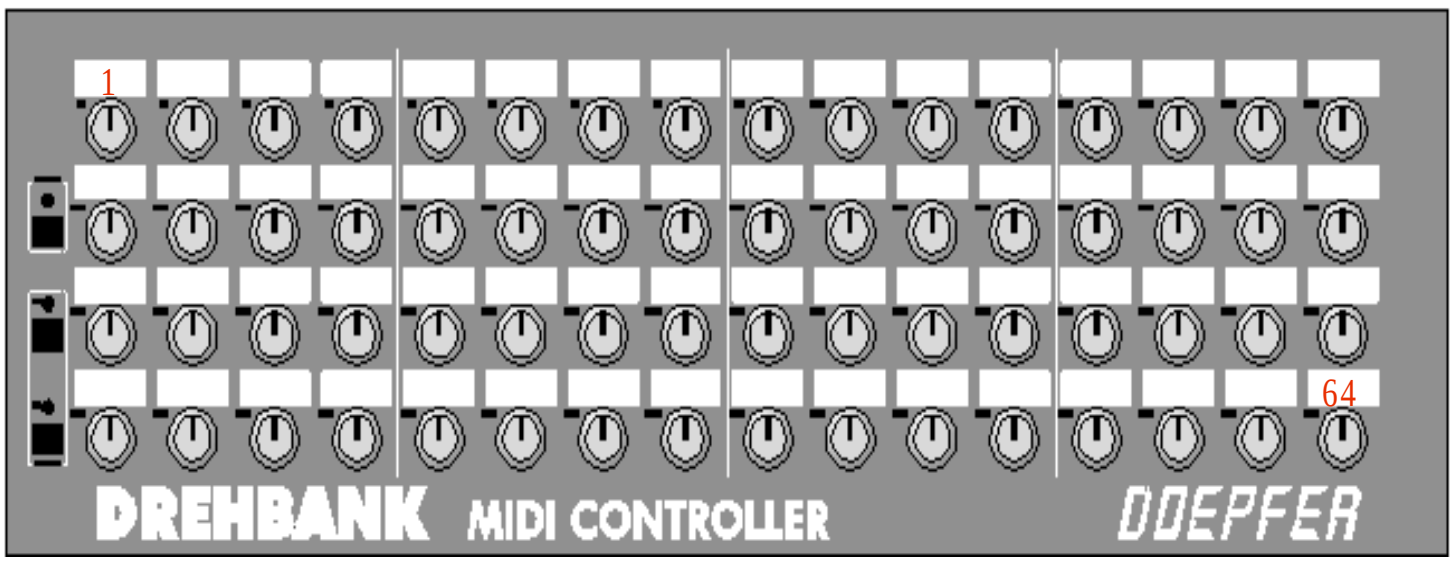


if this isn’t so, quit the editor app and check the cables and OMS setup. if the number boxes react, then midi communication should be fine and you can go-ahead exploring the editors features.

set chan + ctrl for knob

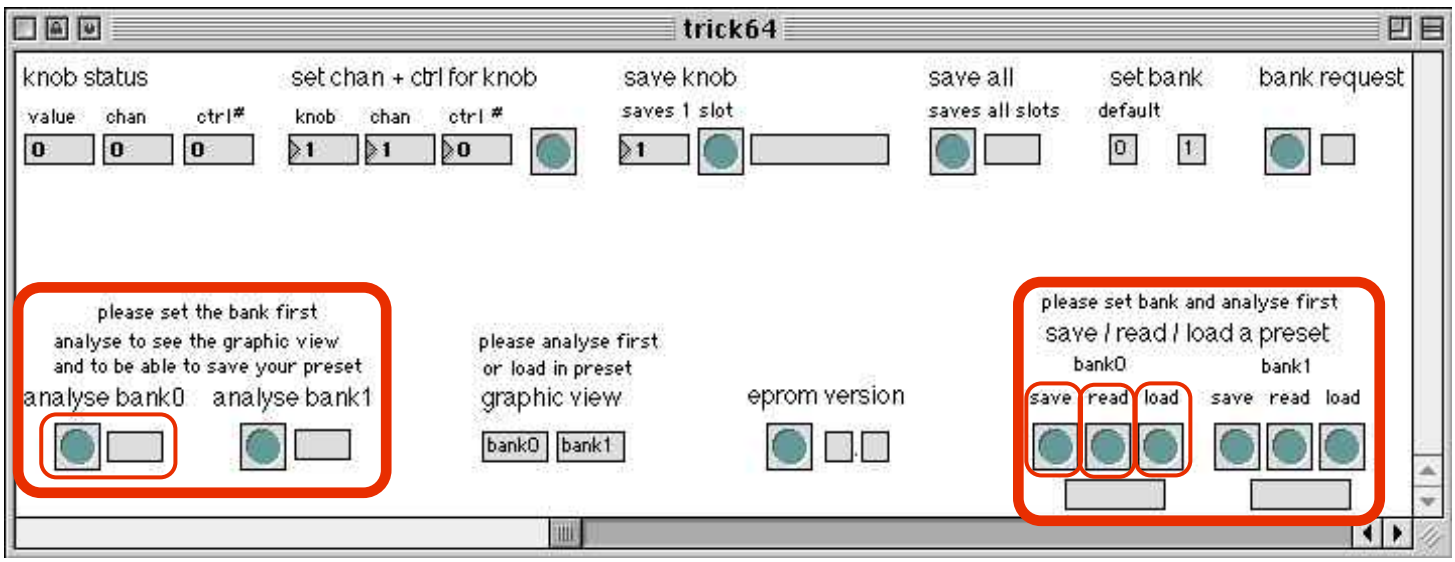
4. now you want to know how to actually configure the knobs (1-64) of the drehbank. i assume that you know the midi controller# and midi channel for the parameters of your midi gear. all you need to do is enter the numbers into the corresponding boxes of the “set chan + ctrl for knob“ function. this can either be done by typing in the numbers and hitting “return” on your computer’s keyboard or placing your cursor over the number box, and, while clicking on it, scroll the numbers.
   when you’re done entering the three numbers for one knob you click on this button (it’s the editor’s “go” button) and the data will be transmitted to the corresponding eprom slot of the drehbank.





save/read/load/ a preset

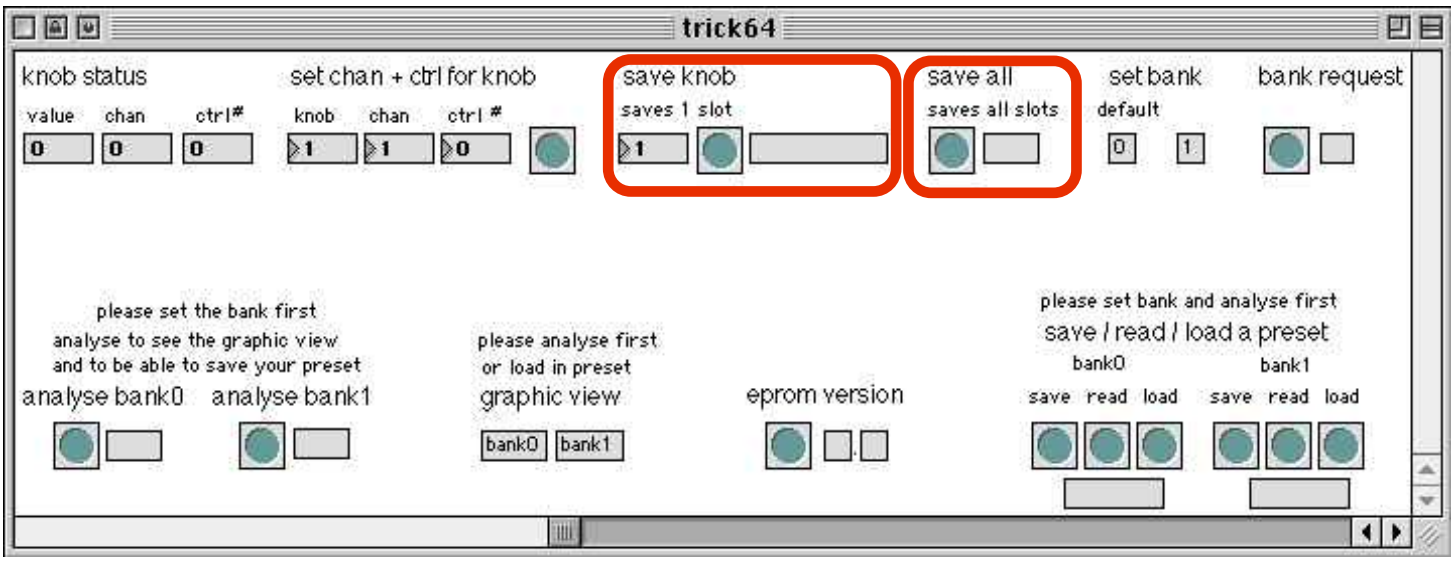
5. let's say you configured some knobs and would like to save them as a preset file on your computer. you can do this with the "save/read/load/ a preset" function.
   before you save a preset you need to analyse the drehbank first.
   you do this with the "analyse bank0" or "analyse bank1" function.
   if you click the blue button for the bank you want to analyse, the editor asks the drehbank to transmit the data of the 64 slots of one bank. there's a status display to the right of the blue button.
   during analysis this box will read "runs", after analysis is complete it should toggle to read "done".
   now you are able to save the data. click the blue button labeled "save" in the "save/read/load/ a preset" section. locate the "preset" folder and save the preset in the corresponding bank folder.
   the status display below the blue buttons in will read "saved" when you're finished. unfortunately it will also read "saved" when you cancelled the save dialog. just ignore it.



   if you would like to load in a preset, you need to read it into the editor first by clicking the blue button labeled "read". a dialog window appears and you select a file from the presets folder. the display below the buttons will read "read". now you can click the blue button labeled "load". during the process the display reads "loading",
   when finished "done".

save a setup in the drehbank

6. so far you know how to configure knobs and save/load presets.
   yet the changes that have been made are not permanent changes.
   that means, if you turn off the drehbank, the settings are lost.
   with this editor you can make them permanent. you can either save
   knobs one by one with the “save knob“ function or save the two
   banks (128 slots) with the “save all“ function.
   to permanently save one knob you enter it’s number, as indicated
   on the drehbank (1-64), in the number box of the “save knob“ section.
   then you click the blue button to the right, when the knob has been
   saved the status display on the right will read “knob x saved“.
   if for some reason the knob couldn’t be saved, it will read
   “knob not saved“.

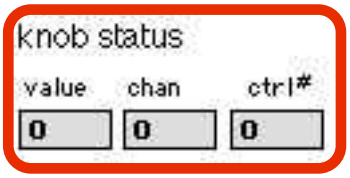


   saving the two banks is very easy. you just click the blue button in
   the “save all“ section. when saving is completed the display to the right
   will read “done“.

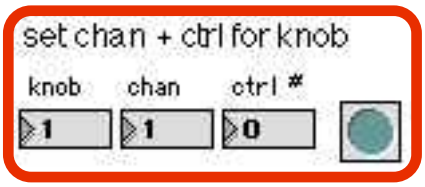
g r e a t !!!

by now, you must be an expert with this one. in the reference section of
this manual you’ll find a short description of all functions of the editor.

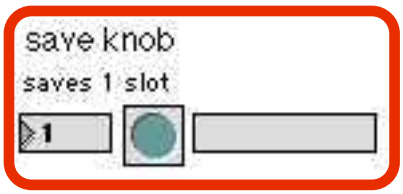
the functions



if you turn a knob on the drehbank, here you can read the value it is sending out, the midi channel it is sending on and which controller# it is assigned to.



this function enables you to configure the knobs (1-64) of the drehbank. first set the values in the corresponding number boxes. either by clicking into the number box and entering the number with your computer's keyboard or while clicking scroll the numbers. then click the blue button, this starts the transfer of your settings to the drehbank.

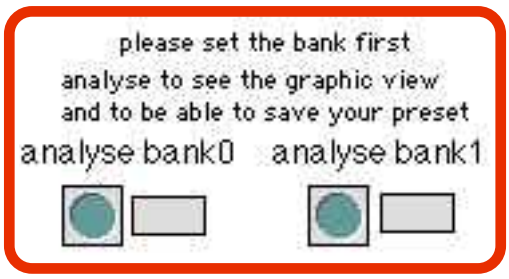


if you would like to permanently save the settings of a single knob in the eprom of the drehbank, you can do this by entering the number of the knob (1-64) in the left number box, then clicking on the blue button. when the knob has been saved the display to the right will read "knob x saved". if for some reason it couldn't be saved it will read "knob not saved".

to permanently save the two editable banks (2x64 slots) in the eprom of the drehbank just click the blue button. when saving is complete the display to the right will read "done".

by clicking on the number boxes you can set the active bank. the result will also be shown in the box of "bank request".

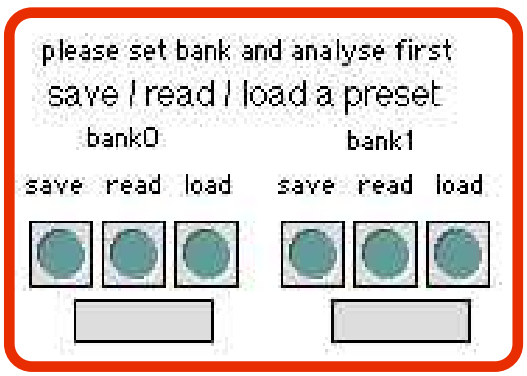
if you can't tell which bank is currently active in the drehbank, click the blue button and the display beside will read either "0" for bank0 or "1" for bank1.



this function reads the settings of the 64 knobs of the active bank into the editor. you can then display them with the “graphic view“ function or save them as a preset file on your hard disk.
to start analysis click on the blue button. you can only analyse one bank at a time. during analysis the display reads “runs“, when finished “done“.

this function will graphically display the data the editor recieved through analysis or through reading in a preset. just click on the box reading bank0 or bank1 to open the graphic view window.
knobs that have the same controller#, but are on a different midi channel will not be displayed correctly. you’ll see 2 or more dials move.

curious to know what version your eprom is ?
click the blue button and the left box will read the version number, the right box, the subversion number.



if you would like to save a preset file of your settings on the hard disk, you can do it with this function. important is that it can only be done when the data of the settings have been transferred to the editor (”analyse” function). settings for each bank need to be saved separately. so make sure that analysis for each bank was made.
you click the blue button labeled “save“. a dialog window appears, locate the “preset“ folder and save your preset in the corresponding bank folder. the status display will then read “saved“.
now if you would like to load a preset of yours into the drehbank, please
click on the blue button labeled “read“. the status display will read “read“.
to actually transmit the data into the drehbank you need to click the blue button labeled “load“. during this process the status display will read “loading“, when finished “done“.

big thanks

without the modest but very important help of paul modler, i would have failed trying to understand the sysex strings explained in the drehbank manual. he also made suggestions concerning the features of the editor.
my friend frank made some suggestions too and helped thinking it through.
jamie helped to make the manual more friendly and understandable.
and spencer helped proof-reading this manual.

you can send your feedback to:

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