



# K STATION OPERATING SYSTEM 2.1.01 UPGRADE NOTES

## **Loading in a new operating system. (OS)**

### **1) Find out the current version of operating system installed in the K-Station**

Hold down button 5 while turning the K-Station on. The K-Station screen will briefly show the current version of OS installed.

K-Station 1.0.09

If a version other than 2.1.01 is shown, follow the rest of the steps to update the operating system.

### **2) Make a back up of all data stored in the K-Station to a sequencer or sysex editor / librarian.**

From program mode, press the menu button and then the utility button to access the utility menu. Connect midi out of the K-Station to the midi in of a sequence or sysex editor / librarian. Find the Dump All P BANKS option from the utility menu by using the page up / down buttons. Set the sequencer tempo to 150 bpm and put the sequencer into record from a blank arrangement. No tempo adjustment will be necessary with a sysex utility. Put the sequencer / sysex librarian into record. To initiate the "all banks" data transfer press the write button on the K-Station. Stop the sequencer recording when the sequencer midi in indicator shows that all midi activity has finished.

### **3) Verify your back up.**

Change a setting in program 100 which you will remember. Save the change to the K-Station program 100. Connect the midi out of the sequencer or sysex editor / librarian to the midi in of the K-Station. Play the back-up file you recorded back into the K-Station. If program 100 reverts to the original setting then the back-up should be ok.

### **4) Prepare the K-Station to receive a new OS**

Turn the K-Station on with buttons 3,4 & 5 pressed. The display should show:

NEW MIDI OS?

Press the write button to make the display prompt:

WAITING FOR MIDI OS

Connect the MIDI output of a MIDI interface to the MIDI input of the K-Station. The MIDI interface should be connected to the Mac ready for the next step.



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## 5) Use the Novation OS Updater Application to Install kstat2101.syx

Double click the 'Novation OS Updater' icon to launch the application.



Select the MIDI Interface from the drop down 'MIDI Device' box.

Drag the file 'kstat2101.syx' to the Novation OS Updater window.

Click the 'Update O/S button' that appears.

Update O/S

The K-Station will show the percentage of operating system received on it's screen

RCVE 2.1.01 xx%

Once complete, the LCD screen will show

TURN OFF - ON

The K-Station will need to be turned off and then back on again for the new OS to take effect.

To see the full version of OS loaded, hold the button 5 down while applying power to the K-Station. The current Operating System revision number will displayed briefly - eg

Kstation 2.1.01

If this version of OS is shown on screen, the update has been successful.



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## Changes between OS1.0.09 and OS2.1.01

1) Clicks due to changing patches while a voice was still sounding from the previous patch have been addressed.

2) MIDI clock synchronisation has been improved. The K-Station can now cope with incoming clock with extremely high levels of jitter. In addition, the K-Station can be used to improve the quality of incoming MIDI clock and to retransmit the cleaned clock. The K-Station can also act as a master MIDI clock.

The Global menu MIDI clock setting page now has the following options:

Midi Clk AUTO

- If MIDI clock is present at the K-Station MIDI input, the K-Station arpeggiator and any synchronised parameters (delay, chorus, eq, pan, lfo 1, lfo 2) will lock to the tempo of the incoming MIDI clock. If no MIDI clock is present or if MIDI clock is interrupted, the K-Station will revert to it's own sync tempo set by the arpeggiator tempo knob.

Midi Clk INTERN

- The K-Station will ignore any MIDI clock arriving at it's MIDI Input port and will always lock to it's own clock tempo set by the arpeggiator tempo knob.

Midi Clk EXTERN

- The K-Station will only sync to incoming MIDI clock. If MIDI clock has not been sent to the K-Station, the arpeggiator will not run. Once MIDI clock has been sent to the K-Station, the K-Station will lock to the tempo of the incoming MIDI clock and the arp will run. If MIDI clock transmission to the K-Station is stopped, the K-Station will free run at the tempo of the last received MIDI clock.

Midi Clk I+SEND

- (Internal + Send). As for INTERN above and in addition the K-Station will also transmit MIDI clock out of the K-Station MIDI output port so that the K-Station can be used as a master clock.

Midi Clk E+SEND

(External + Send). As for EXTERN above and in addition the MIDI clock will also be cleaned and distributed to the K-Station MIDI output port. [Note - The original uncleaned MIDI clock will also be echoed by the K-Station MIDI thru socket.]

3) The global menu function "<<Oct>> kill" (on / off) that is used to latch notes when the octave buttons are pressed has been renamed to "<oct>" with the options 'Normal' and 'Note Hold'. With a setting of Normal, notes held at the time the octave buttons are pressed are not latched. With a setting of 'Note Hold', notes held at the time the octave buttons are pressed are latched until the 'program' button is pressed or the same note values are played again. 'Normal' is now the default setting.