



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

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

Hold down button 3 while turning the A-Station on. The A-Station screen will briefly show the current version of OS installed. The first screen will show the most significant digits of the OS version for a second or two. The next screen will show the least significant digit of the OS version for a second or two. Finally the A-Station screen will revert to showing the default patch number. Eg if OS 1.06 is installed, this will be shown as



If a version other than 2.1.02 is shown, follow the rest of the steps to update the operating system.

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

From program mode, press the mode select button twice so that the utility LED is lit. Connect midi out of the A-Station to the midi in of a sequencer or sysex editor / librarian. 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 number 7 button on the A-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 A-Station program 100. Connect the midi out of the sequencer or sysex editor / librarian to the midi in of the A-Station. Play the back-up file you recorded back into the A-Station. If program 100 reverts to the original setting then the back-up should be ok.

### **4) Install the Novation OS Tx Application**

Copy both the 'OS TX' folder and the 'astat2102.OS' files to the desktop.

Open the folder 'Novation OS tx' and double click the setup.exe file within this folder. The installer will start and will prompt for any running applications to be closed. Once any running applications have been closed, click the 'OK' button. The installer will install the utility to default directory:

**C:\Program Files\NovOSTX.**

Click the install button. A new program group will be added called 'New OS Download'. Click the 'Continue' button.

A dialogue box will appear to show that the installation was successful.



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

Turn the A-Station on with the select button pressed. The display should alternate to show:



(New OS)

Press the audition demo button to make the display prompt:



(Send)

#### **5) Using the OS TX program to Install astat2101.OS**

Launch the OS TX application from the program list within the Windows start menu. This is 'OS TX.exe' within the programs group 'New OS Download'.

The MIDI port box should show the MIDI output port of the computer that is connect to the MIDI input of the A-Station. If not, select the correct port from the MIDI Ports menu.

[Please note that the MIDI port can only be selected once. If the MIDI port needs to be reselected, close the OS TX application and relaunch it.]

Click the File menu and select Load OS File. Locate the file: 'astat2102.OS' from the desktop and click 'Open'

Click the 'Send OS' button. The A-Station will show the percentage of operating system received on its screen. Once complete, the LED screen will show :



(Turn Off)

The A-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 3 down while applying power to the A-Station, the current Operating System revision number will briefly be displayed - eg



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



## Changes between OS1.0.06 and OS2.1.02

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 A-Station can now cope with incoming clock with extremely high levels of jitter. In addition, the A-Station can be used to improve the quality of incoming MIDI clock and to retransmit the cleaned clock and the A-Station can also act as clock master.

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



- **A** = Clock Source Auto. - If MIDI clock is present at the A-Station MIDI input, the A-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 A-Station will revert to it's own sync tempo set by the arpeggiator tempo knob.



- **I** = Clock Source Internal. - The A-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.



- **E** = Clock Source External. - The A-Station will only sync to incoming MIDI clock. If MIDI clock has not been sent to the A-Station, the arpeggiator will not run. Once MIDI clock has been sent to the A-Station, the arp will run and the A-Station will lock to the tempo of the incoming MIDI clock. If MIDI clock sent to the A-Station is stopped, the A-Station will free run at the tempo of the last received MIDI clock.



- **IS** = Clock Source Internal + Send. - As for 'I' above and in addition the A-Station will also transmit MIDI clock out of the MIDI output port so that the A-Station can be used as a master clock.



- **ES** = Clock Source External + Send. - As for 'E' above and in addition the MIDI clock will also be cleaned and redistributed from the A-Station MIDI output port. [Note - The original uncleaned MIDI clock will also be echoed by the A-Station MIDI thru socket.]



### Changes between OS1.0.06 and OS2.1.02

3) The arpeggiator notes can now be sent out of the A-Station. The Arpeggiator menu page for Arp destination (Ad) now has the following options:



- **I** = Internal. - Note data sent to the A-Station will arpeggiate the A-Station synth according to the arp condition setting. This is the most common way to use the A-Station arpeggiator.



- **E** = External. - Note data sent to the A-Station will cause the A-Station to send arpeggiated note data to the A-Station MIDI output port. The A-Station internal synth will not play. This is useful for arpeggiating a second synthesiser from the A-Station arpeggiator.



- **IE** = Internal + External. - Note data sent to the A-Station will cause the A-Station to send arpeggiated note data to the A-Station MIDI output port. The A-Station internal synth will also arpeggiate. This is useful for arpeggiating a second synthesiser and simultaneously arpeggiating the A-Station.



- **EP** = External and Played. - Note data sent to the A-Station will cause the A-Station to send arpeggiated note data to the A-Station MIDI output port. The A-Station internal synth will play normally (ie will not arpeggiate). This is useful for arpeggiating a second synthesiser and simultaneously playing a pad type sound on the A-Station.