

NOAH - Tactive Instrument Modeller

creamw@re®
fidelity at work.



Version 1.1 - September 2003

This ReadMe file contains important and useful information regarding the current version of Noah. Please read this information carefully and thoroughly!

Inhalt

- 1.Changes with Noah v. 1.1 - Overview
- 2.Installation of drivers and the Noah Remote Software
- 3.NewFeatures in version 1.1 - in Detail
- 4.Changes to the documentation / Features not documented in the manual v1.0
- 5.System requirements for use of the Noah Remote Software
6. How to contact technical support

1. Noah changes with v1.1 - Overview

In the following text, Noah Remote Software is referred to simply as „NRS“.

- There is now an ASIO driver (Windows) which is capable of 2-channel playback and 6-channel record. (Recording through CoreAudio under MAC OS X is limited to 2 channels)
- There is a new Parameter Lock function which permits you to „freeze“ the selections of various inputs and outputs independent of presets.
- Preset names now appear immediately in the Noah display upon selection in NRS.
- Assignment of multiple mixer outputs to a single mixer channel is now also possible in NRS. The corresponding input(s) are indicated by a point in the selection list.
- In the mixer, the analog input can now be switched to two mono channels, so that mono signals can be more conveniently controlled (guitar, microphone, etc.)
- The B-2003 rotor has a new „Distance“ parameter.
- The acceleration behavior of the Performance Controllers can be adjusted separately per controller.
- The footswitch can now be used for preset switching.
- USB and MIDI can now be simultaneously set as MIDI In ports (all).
- General performance and loading-time optimizations for devices and graphics.

- The sizes of preset files have been reduced.
- The number of voices is now displayed via the Live Bar.
- NRS checks the Noah OS version upon startup.
- The Synchronizer has a new Delete function. Optional add-in plug-ins can now be managed without problems.
- In the Noah menu 'System -> Device' there is a USBCom parameter [Windows, Mac/Linux] that determines which MIDI driver will be linked in during driver installation. Select *Windows* for all versions of Windows. Select *Mac/Linux* for MAC OS X.

2. Installation of drivers and the Noah remote software

2.1 Driver installation (New Installation Windows)

The installation of drivers differs slightly depending upon which version of Windows you have (98SE, ME, 2000, XP). However, the installation of the Noah Remote software (described in item 2 below) is the same for all Windows versions.

The installation encompasses drivers for three components installed from the Noah installation CD. The order in which these four components are recognized and installed may vary depending upon your Windows version.

Please note: If, during the installation of the various USB components, you are requested to insert the Windows CD into your CD-ROM drive - please do so, and then replace the Noah installation CD in the CD-ROM drive after these components have been successfully installed. Alternatively, you can attempt to install the necessary files by directing the installation assistant to search the directory :Windows\System32\drivers for these files instead of searching for them on the Windows CD.

Procedure:

- Make sure that both Noah and the computer are switched off, and that they are not yet connected via a USB cable.
- Start Noah by pressing the Power button.
- Press the 'System' button, then 'Device'. Press the 'Right' button twice to navigate to the 'USBCom' field. Make sure that this parameter is set to „Windows“.
- Switch Noah off by pressing and holding the Power button.
- Use the supplied USB cable to connect Noah to a free USB port on your computer.
- Start the computer and wait until Windows startup is complete.
- Insert the Noah installation CD into your CD-ROM drive.
- Start Noah by pushing the Power button. Windows should automatically recognize that a new hardware device is connected.

The order in which the following three components are recognized may vary depending upon your Windows version. Therefore, perform the following steps A – C in the order in which the components are actually recognized.

A) CreamWare Noah Synthesizer

Let Windows search for the best driver in the directory ..\Driver\USB\ on the Noah installation CD. In Win98SE / ME, check the option „CD-ROM drive“ or „Search removable media (Diskette, CD, ...)“ in the appropriate dialog. Allow Windows to install the found driver and click „Finish“ to complete this process.

B) CreamWare Noah MIDI

Let Windows search for the best driver in the directory ..\Driver\USB\ on the Noah installation CD. In Win98SE / ME, check the option „CD-ROM drive“ or „Search removable media (Diskette, CD, ...)“ in the appropriate dialog. Allow Windows to install the found driver and click „Finish“ to complete this process.

C) CreamWare Noah Wave

Let Windows search for the best driver in the directory ..\Driver\USB\ on the Noah installation CD. In Win98SE / ME, check the option „CD-ROM drive“ or „Search removable media (Diskette, CD, ...)“ in the appropriate dialog. Allow Windows to install the found driver and click „Finish“ to complete this process.

Note: Under Windows XP / 2000 a warning message will appear, stating that the software for „CreamWare NOAH Midi“ has not passed the Windows Logo test. Skip over this message by clicking „Continue installation“

If Windows asks you whether to restart the system, click „Yes“ and allow Windows to restart.

Now verify that all drivers have been correctly installed. To do so, open the Device Manager via „Start -> Settings -> System settings -> System (-> Hardware)“ and check that all of the following components are present and that none appears in the display with a question mark or exclamation point:

Under CreamWare NOAH Device:

CreamWare NOAH Midi
CreamWare NOAH Synthesizer
CreamWare NOAH Wave

2.2 Driver installation (Windows update from 1.0 to 1.1)

Step-by-step instructions:

- Switch on both Noah and the computer. By starting the Noah application v1.0 and briefly testing its operation, verify that communication between Noah and the computer is working correctly.
- Close the Noah application.
- Start Setup.exe from the installation CD and follow the first four steps as described below in the Software Installation chapter.
- Upon accepting the license agreement, you will be presented with a window bearing the title 'Driver installation', in which you are asked to click on the 'Install drivers' button to begin installation of the updated drivers. Do so.
- Next, the hardware assistant opens in order to search for newly-found devices such as 'Noah Wave' and/or 'Noah MIDI', depending upon the operating system. Follow the recommendation to 'Locate the best driver automatically'. The drivers will be found on the Noah CD under \Driver\USB and set up. You need merely confirm the steps suggested by the hardware assistant.
- Once the hardware assistant has completed the installation, click the 'Restart' button to restart the computer.
- The installation will be continued immediately once the computer is restarted. Verify that the path to your Noah installation is correct and complete the remaining steps as described below in the Software Installation chapter.

The following description applies to a 'fresh' installation of the Noah software. If you have already installed Noah v1.0, you can install version 1.1 into the same directory in which version 1.0 is installed. Before doing so, however, make sure to copy your self-created presets into a separate folder, as these will be overwritten, and execute a 'backup'.

2.3 Software installation under Windows

- Start the file SETUP.EXE directly from the CD (either by double-clicking it directly or via Start -> Run -> [CD-ROM drive letter]:\setup.exe).
- Select the desired language and click "Next".
- Read the ReadMe file through carefully and click "Next".
- If you accept the terms of the license agreement, click "Accept".
- At this point, if the drivers are not correctly installed, a corresponding notification message will appear. If this occurs, repeat the installation of the drivers.
- In the dialog "Please select the path for installation", you can now select the directory in which to install the software, either manually or via navigation (after clicking "Browse"). We recommend sticking with the standard installation path "C:\Noah", which is entered automatically in the dialog. When you have made your path selection, click "Next" to continue with the installation.
- The files will now be installed and the successful completion of the installation indicated via a "Congratulation!" message. Click "Finish", or - if you want to start the software immediately - "Start software".

2.4 Software and driver installation under MAC OSX

Vorgehensweise:

- Make sure that both Noah and the computer are switched off, and that they are not yet connected via a USB cable.
- Start Noah by pressing the Power button.
- Press the 'System' button, then 'Device'. Press the 'Right' button twice to navigate to the 'USBCom' field. Make sure that this parameter is set to „Mac/Linux“.
- Switch Noah off by pressing and holding the Power button.
- Use the supplied USB cable to connect Noah to a free USB port on your computer.
- Start the computer and insert the Noah installation CD into your CD-ROM drive.
- Start Noah by pushing the Power button.
- Start the file Noah Installer*.pkg directly from the CD by double-clicking.
- Select the desired language and click "Next".
- Follow now the installation instructions
- Read the ReadMe file through carefully and click "Next".
- If you accept the terms of the license agreement, click "Accept".
- Choose the volume in which to install Noah. If this is the Volume OS X (recommended) Noah will automatically be installed in the „Programs“ folder. Then click on „Next“
- The files will now be installed and the successful completion of the installation indicated via a "Congratulation!" message. Click "Finish", or - if you want to start the software immediately - "Start software".
- Create an alias of Noah on the desktop, you can find the Noah application in the folderNoah:App:Bin, or start the program directly from there.

Important information for users of the previous version 1.0

If you have installed the earlier version 1.0 software, you will be prompted automatically upon startup of the software to update the operating system (OS). This standard update will not cause presets stored in the Noah hardware to be overwritten.

If this prompt does not appear automatically, you should manually open the update dialog immediately after starting the Noah application (Set -> Settings -> Update), mark Release 1.x and click on the 'Update' button. Beyond this point, simply follow the instructions given by the software.

3. New features in version 1.1

ASIO Driver: Beginning with Noah version 1.1, an ASIO/Core Audio driver is available. You can apply it to audio playback and recording with a sequencer or other audio application that supports the ASIO/Core Audio interface. Once the Noah Remote Software has been installed, the Noah ASIO/Core Audio driver ('ASIO Noah') is available for selection via the appropriate menu in each such application. For example:

Windows

Logic Audio 5.5x: Under *Audio -> Audio hardware and drivers -> Audio drivers 2 -> ASIO*

Cubase SX: *Devices -> Configure devices -> VST Multitrack -> ASIO driver*

MAC

Logic Audio 6.x: Under *'Audio -> Audio-hardware and drivers -> CoreAudio -> [CreamWare Noah Synthesizer]'*

Nuendo : *'Devices-> Configure devices-> VST Multitrack-> ASIO driver—> ,[CreamWare Noah Synthesizer]'*

There is an associated setup dialog (to be found in the same place where you select the ASIO driver) under Windows, in which you can set the ASIO buffer size and the number of recording channels. A larger ASIO buffer size results in higher latency times. A larger buffer size is called for if you experience clicks and crackling during audio track playback. 'Metallic-sounding' distortion of audio tracks is likewise an indicator that the buffer size is set too low. The smallest value which will produce clean playback depends in large part upon the speed of your processor and is best determined by a bit of experimentation with different settings. Many current processors manage distortion-free playback with a setting of 128 samples (corresponding to a latency of 3-4 msec).

To record the output of a Noah sound generator into an audio file, select the ASIO/Core Audio Noah driver in your application, and then select the number of channels you wish to be able to record simultaneously. Then select USB 1/2, USB 3/4 and/or USB 5/6 as 'Output' in the Noah Mixer (limited to 2 channels on the MAC) (or on the device itself under 'Edit-> Mixer-> Master-> Outputs-> USB') and activate recording in the application (for details on how to do this, please refer to the users manual for the specific application you're using!). Audio playback via Noah works in a similar fashion. In your application, select 'Out Noah L+R' (for example) as output.

USBCom Parameter

Noah (only): Menu 'System -> 'Device' -> USBCom [Windows, Mac/Linux]

Determines which MIDI driver will be linked in during driver installation. Select *Windows* for all versions of Windows and *Mac/Linux* for MAC OS X 10.2.x.

Parameter Lock

Noah: System -> ParaLock

NRS: Noah Settings -> System

Version 1.1 includes four new system settings which permit you to better adjust Noah to your own personal needs, working style and audio/MIDI environment. These settings are found under 'Noah Settings -> System' or on the device itself under 'System -> ParaLock'. Activating the Parameter Lock setting causes the various inputs and output settings to become fixed, so that they are unaffected by the settings in a particular preset. Specifically:

MIDI Ports: enabled = x or 'Lock' (on device)

The MIDI port setting in the MIDI Manager remains in effect when device or preset changes occur. For example, if USB is selected, a device will always be addressed via USB, even when a preset is selected in which MIDI is specified as InPort.

IOs: enabled = x (in NRS) or 'Lock' (on device)

The audio output assignments (Analog, USB, Mix Out) to the slots remain unchanged when devices or presets are changed.

External Sources: enabled = x (in NRS) or 'Lock' (on device)

Selected (external) audio inputs, such as exist in some devices (e.g., Interpole, Pro One), remain unchanged, regardless of the settings contained in presets.

TriggerSources: enabled = x (in NRS) or 'Lock' (on device)

Trigger source selections (Direct / SSEQ / Arpeg), as set in the MIDI Manager, remain unchanged, regardless of the settings contained in presets.

Selecting 'Lock' under 'System -> ParaLock' on the device is equivalent to marking the same option in the 'Noah Settings -> System' menu. Selecting 'Preset' on the device causes the preset settings to always be used. The ParameterLock settings are „permanent“ and are not affected by preset loading.

Controller Acceleration

Noah: System -> Device -> CtrlAccel

NRS: Noah Settings -> System

These settings let you tailor the acceleration behavior of the Noah infinite rotary controllers with respect to parameters which are assigned to them:

All: Value changes are generated with respect to the speed with which the controls are rotated: fast rotation produces coarse adjustment (larger changes), while slow rotation permits fine adjustment. With the 'All' setting, acceleration also applies to the rotary controllers when they are being used as Performance Controllers.

No Performance Ctrl: Acceleration is applied only to parameter adjustment, not to Performance Controller.

None: Acceleration is deactivated completely.

Advanced Update Options

NRS (only): Noah Settings -> Update

A standard update updates the firmware (OS) as well as the devices and effects without overwriting the preset lists stored in Noah. There are now additional update options:

Complete: Updates the entire content of Noah, including preset lists and all settings. Sets Noah into the initialized or factory-default state for the current OS version. All personal settings are erased.

Just OS: Only the Noah firmware (the essential operating system) is updated.

Devices: All devices are updated. Sets Noah into the initialized or factory-default state. All existing settings are erased, as with the 'Complete' updated – however, the firmware (OS) is not updated.

Please use the Advanced Update Options only after discussion with our Support Department!

Important: You may see a „Release 1.0“ entry in the 'Available Updates' window (Settings -> System). Under no circumstances should an update be performed with this version! Use subsequent updates if needed, but never Release 1.0!

Optical Output

Noah: System -> Device -> OptOut

NRS: Noah Settings -> System

These settings allow you to specify whether the optical output should function as an ADAT interface or as an S/P-DIF interface. In the latter case, the two S/P-DIF signals are sent out via the ADAT 1/2 output.

Synchronizer

A number of important new features have been added to the Synchronizer as described in the following:

Devices and Effects buttons: These serve as view filters, allowing you to display only devices or only effects.

Additional columns:

Del: Via a click on the wastebasket symbol, you can set preset lists and entire devices to be deleted. This may be necessary when you wish to install additional optional plug-ins, as storage space within Noah is somewhat limited. If additional space is required, you can obtain it by eliminating specific devices completely.

As long as the amount of 'Available Memory' is sufficient, you can upload a deleted device or preset to Noah and store it there at any time by clicking on the folder icon next to the device/preset (which is marked in yellow when it has been deleted). In case you just want to store new Presetfiles into Noah you can select an appropriate file by clicking on the folder. Click on the 'Synchronize' button to start the procedure.

After you've stored or deleted a preset or device in Noah, you will need to switch Noah off and back on again in order to put the changes into effect.

Key: In some cases it may be necessary to enter a key in order to work with optional plug-ins. If a new plug-in which requires a key is found, the key icon is displayed. Click on this icon to initiate a key request. Send us the request string per email, and we will send back the required key. Enter this key into the key input field and confirm by clicking OK. Key entry can also be done via copy/paste via the clipboard.

Installation of additional optional devices

Storage of additional optional devices into Noah must be done using the Synchronizer. Once you've installed a new device onto your computer from the appropriate OXE installation file, it appears marked in yellow in the Synchronizer, along with its preset list or lists (likewise marked in yellow). Click the associated folder icon to activate them and then click the 'Synchronize' button to start the upload to Noah. Once the upload is complete, switch Noah off and back on. The new device is now immediately available for use.

MIDI Manager -> InPorts

Noah: *Edit -> MIDI -> Device (Slot xy) -> Port/Ch -> InPort*
NRS: *MIDI Manager -> InPort*

In addition to 'USB' and 'MIDI', you can also select 'All'. The device then receives MIDI signals via both the physical MIDI input and the USB input (from sequencers, etc.)

MIDI Manager -> Clock Out

Noah: *System -> MIDI -> Clock Out*
NRS: *MIDI Manager -> Clock Out*

These settings let you specify whether a MIDI stream is to be sent via the MIDI output only (MIDI), via the USB output only (USB), via both outputs simultaneously (MIDI+USB), or not at all (Off).

Arpeggiator und Step Sequencer -> Trigger Sources

NRS (only)

Directly to the right of the field for selecting the slot to be triggered or the sequence to be used (in the Arpeggiator and Step Sequencer, respectively) is a field for activation of that trigger. This is equivalent to selection of the trigger source in the MIDI Manager.

Step Sequencer: The Step Sequencer has a new 'Hold' parameter. When activated, this parameter allows a triggered sequence to continue playing even after you release the key with which you triggered it (the Note Off event is ignored).

B-2003: The Rotor has been improved and now has a new 'Distance' parameter. It is located in the Microphone section and is assigned to MIDI Controller number 94.

Footswitch: Connect a foot switch to the foot switch input to step upwards through the presets.

4. Changes to the documentation / Features not documented in the manual v1.0

The length of the **Short Names** used for parameters in the hardware menus is limited to a maximum of eight characters, while **Long Names** can contain up to 16 characters. In some places in the printed manual, you may see still longer names which differ slightly from those that actually appear in the display of the device.

The **TOS-Link** output can be configured as either an ADAT or an S/P-DIF output. By default, it is configured as an ADAT output. If you wish to use it as an S/P-DIF output instead, you can change this setting on the device via *System -> Device -> OptOut*. The two S/P-DIF channels will then be available on ADAT channels 1/2.

The **Insert effects** appear in the device menu in alphabetical order. This order differs from the order-according-to-category which is used in the manual.

Contrary to what is described in the printed manual, the **MIDI Manager** does not always display all four slots. Thus, the Arpeggiator and Step Sequencer cannot be used to control additional external MIDI sound generators.

Demo sequences associated with preset sounds play only as long as you continue to push the headphone volume control.

Demo sequence playback: The *Utility* menu, which is accessed via the button (15) of the same name, contains a *Demo* submenu. In this submenu, you can recall various Multi configurations using the +/- buttons or the Control Wheel. For each of these configurations, you can start or stop the playback of a demo sequence by pushing the appropriate rotary control (5).

Prg Change Receive: The Controls submenu of the System menu contains a PrgChRcv parameter (ProgramChange Rec) [Noah, Editor] which determines whether a received MIDI Program Change results in a switch between presets stored in the hardware or between presets appearing in a currently-open Preset List window in the Noah Remote software.

B2003: In order to use the various manuals and / or the pedal section of the B-2003, set the B-2003 to 'Omni' - either in the MIDI Manager (via MIDI -> B-2003 -> Port/Ch) or via the MIDI channel setting of the B-2003 in the Remote software's Live Bar. This permits the various sections to receive on the individually-specified channels.

SSB Phaser: The frequency displays of the SSB Phaser are for display only and cannot be directly controlled - therefore, they do not have MIDI controllers assigned to them, and correspondingly do not appear in the controller assignments listing in the accompanying *Technical Reference*.

Controller: The assigned controllers for the *Dry* and *Wet* parameters of the effects are KeyP 87-88, *not* 88-89 (see the accompanying *Technical Reference*).

StepSequencer: The Step Sequencer has a new Retrigger parameter. When Retrigger is active, a new note not only changes the pitch of sequence playback, but also restarts the sequence from the beginning. A note-off event need not be received in order for Retrigger to occur. Step Sequencer MIDI controller assignments (see also the accompanying *Technical Reference*) have changed, as follows: KeyP 64-69 = Vel10-Vel15, KeyP 120 = Vel16, KeyP 121 = Retrigger.

Arpeggiator: The *Note Length* parameter of the Arpeggiator can no longer be set to "1 Clock".

Performance Controllers can now be assigned to switches as well as to rotary controls.

4.1. Known bugs and problems

With some USB controllers (for example, with the Intel UHCI Chip) random drop-outs or clicks are possible when playing audio via USB. Please try to obtain and install updated USB drivers for your USB controller and chip set and to update your computer with the most current BIOS version available for it, and don't forget to watch our Web site for new developments regarding this problem.

5. System requirements for use of the Noah Remote Software

Absolute minimum system requirements

Windows 98SE, ME, XP or 2000
MAC OS X 10.2.x
USB v1.1 interface or higher
96 MB or more RAM
233 MHz or faster CPU
Display resolution: 1024 x 768 pixels, with High Color (16-bit) or better color resolution
At least 70 MB free hard disk space
CD-ROM drive

Recommended configuration

Windows ME or XP
MAC OS X 10.2.x
USB v1.1 interface or higher
512 MB or more RAM
1.5 GHz or faster CPU
Display resolution: 1280 x 1024 pixels, with High Color (16-bit) or better color resolution
At least 70 MB free hard disk space
CD-ROM drive

6. How to contact technical support

Despite its simple appearance, Noah is a powerful and complex device. Careful reading of both the printed hardware manual and the Noah Remote software manual, which was copied to your hard disk as an Adobe Acrobat (PDF) file during the installation, is the best and fastest way to learn how to use Noah effectively. Should you nevertheless encounter technical problems, you will find help in our online-support database, which is located under 'Service' in our Web site.

Important: to minimize the time that you (and others) must spend waiting on the telephone, please first check all of the points listed in the online-support database before calling our Support department!

Our Support team can be reached by telephone Monday thru Thursday from 1pm to 6pm and Friday from 1pm to 4pm at 02241/5958-12. Or, simply send an email with a description of your problem to support@creamware.de.

Also - be sure to regularly check our Web site (www.creamware.com) for software updates.

And now - have fun with Noah!

Your CreamWare Team



6.1. Contact

Germany

CreamWare GmbH
Wilhelm-Ostwald-Strasse0/K1
53721 Siegburg
Germany

President:
Frank Hund, Wolf Roth
AG Siegburg HRB 3632
VAT-ID: DE 123 107 344

Tel.: (+49) 2241-5958-0
Fax: (+49) 2241-5958-57
Hotline: (+49) 2241-5958-12
01:00 - 06:00 pm , Friday until 4:00 pm

Contact: info@creamware.de
Technical Support: support@creamware.de
Homepage/Shop: webmaster@creamware.de

France

CreamWare France S.A.R.L.
66-68, Bd. Beaumarchais
75011 Paris
France

Tel. : (+33)-1-48069796
Fax : (+33)-1-48069795

Contact : creamware@wanadoo.fr

Spain

CreamWare Iberica
C/ Treinta de Marzo, 57, 5º
03012 Alicante
Spain

Tel: (+34)-902113511
Fax: (+34) 902113513

Contact: info@creamware-es.com

US / Canada

Shipping Address:

CreamWare US Inc.
855-C Conklin St.
Farmingdale, NY 11735
USA

Sales & Support Office:

CreamWare Audio Solutions Inc.
6879 Russell Ave.
Burnaby, B.C.
V5J 4R8, Canada

Office: (604) 435-0540
Sales: 1800 899-1939
Fax: (604) 435-9937

Technical Support: (604) 435-5158
Contact: info@creamware.com
Technical Support: support@creamware.com