USB 500 Rack and Windows DAW Quickstart Guide

THESE INSTRUCTIONS ASSUME THE CONNECTION OF A MICROPHONE TO SLOT 1, A MICROPHONE PREAMP LOADED IN SLOT 1 OF THE USB 500 RACK. IF YOU'RE USING A CONDENSER MICROPHONE, BE SURE TO TURN ON THE 48V PHANTOM POWER BUTTON ON THE PREAMP MODULE. SLOT 1 MODULE INPUT SOURCE MUST BE SET TO XLR AND THE USB SOURCE SWITCH MUST BE SET TO MOD.

First make sure that your device is selected as the Playback and Recording default device on your Windows SOUND control panel. Playback will show Speakers-Aphex USB Audio. Recording will show up as Aphex Recording Mixer-Aphex USB Audio.

Launch the Aphex Audio Driver Control Panel.

Click on Aphex USB 500 RACK.

Select the sample rate that you'd like to record with.

Click on ASIO settings and set your latency to 3.0ms to start. You might have to adjust this later to suit your computer's capabilities.

Exit the control panel.

Adobe Audition

Go to *Edit-Preferences-Audio Hardware*.

Under *Device Class* select ASIO. Click YES.

Set *Device* to *Aphex ASIO*.

In the *Preferences* window in the left column select *Audio Channel Mapping*.

The Inputs will now show 500 RACK SLOT 1 & 2.

The Outputs will now show 500 RACK Analog L & R. Leave this if you have speakers connected to analog outputs 1 and 2 on the rear panel. If using speakers, be careful of feedback with your microphone during this setup check.

Change the outputs to 500 RACK Headphone L & R if using headphones.

Click OK.

Under *File*; select *New-Multitrack Session.*

Name your session and click *OK.*

For *Track 1*, the input will show Default Stereo Input.

Use the drop down to select Mono, 500 RACK SLOT 1.

For *Track 1*, select output as Master.

Scroll down below the tracks and find the Master section.

Set *output* to Stereo-(03S) 500 RACK Headphone L.

On *Track 1*, click the *(R) Record* button, which will turn red.

On *Track 1,* click the *(I) Input button*, which will turn orange.

You should now see signal on the input meters and hear yourself in the headphones or speakers.

Cockos Reaper

Select Options-Preferences. Then select Audio-Device.

Set Audio System to ASIO.

For ASIO Driver select Aphex ASIO.

Click the check box to *Enable Inputs.*

Set *First* to 1: Aphex 500 RACK SLOT 1.

Set *Last* to 6: Aphex 500 RACK S/PDIF 2.

Output Range: First should be 1: 500 RACK Analog L, *Last* should be 8: 500 RACK S/PDIF 2.

Set *ASIO Thread Priority* to *Highest.*

Click OK.

Go to *File- New project.*

Go to *Track-Insert New Track*.

The new track will appear in the edit window AND the mixer window below. Below the fader in the edit window for the new track is a *dropdown list* that allows you to select a mono or stereo input for the track. It should default to *500 RACK SLOT 1*. If not, you can select it.

Below in the mixer window is the *Master Fader*. Click on the *I/O* button just above the fader. 500 RACK Headphone L and R should come up as the default output. If not, you can delete what has come up as default and select 500 RACK Headphone L and R if using headphones or Analog L and R if using speakers. If using speakers, be careful of feedback with your microphone during this setup check.

Exit the *Outputs for Master Track* screen.

Click on the *Speaker icon* of Track 1 in the mixer section to monitor the recording.

Click the *red circle* (Track Arm) on Track 1.

You should now see signal on the input and output meters and hear yourself in the USB 500 RACK headphones.

PreSonus Studio One

Create a *New Song.*

Under *Styles*, select *Empty Song*.

Click *OK*.

Click *Studio One-Options*. Then select *Audio Setup.*

Click the *Audio Device drop down list* and select *Aphex ASIO*.

Click *OK*.

Go to Song-Song Setup and click the Audio I/O setup tab.

Click the Outputs tab.

Select Headphone L & R for Main outputs if using headphones or Analog L & R if using speakers. If using speakers, be careful of feedback with your microphone during this setup check.

Click Apply and click OK.

(NOTE: This only activates the inputs and outputs used in this Quick Start. To gain access to all 6 inputs and 10 outputs, consult your Studio One manual.)

Click Track-Add Audio Track (mono).

Click on the *Speaker icon* to monitor the recording.

Click the *red circle* (Track Arm) on your track.

You should now see signal on the input and output meters and hear yourself in the USB 500 Rack headphones.

Harrison Mixbus

Launch Mixbus and the *Session Control* window will open.

Click the *Audio Setup tab.*

Set *Driver* to *Audio Devices*.

Set *Output device* to Aphex ASIO [ASIO]

Set *Input device* to Aphex ASIO [ASIO]

Click the New Session tab.

Name the file and give it a folder location.

Click *New*.

Go to *Options-Monitoring* and select *Mixbus does monitoring*.

Click *Track-Add Track/Bus*.

Leave the default settings and click *Add.*

Hold down the ALT key and press the M key. This will toggle you between the edit window and the mixer window.

In the mixer window you will see your new track on the left labeled Audio 1.

At the very top of the track where you see “Audio 1”, click the grey tab below that shows the number 1. This will display the 6 available inputs. Click the check box for in 1. Click anywhere outside of this window to exit.

On the far right is the Master Out. At the very top of the channel click the tab labeled “master.” Select Track Direct Output(s).

In the Master Output window click the “system” tab.

Click on Playback_3 and Playback_4 for headphones or Playback_1 and Playback_2 for speakers.

Click the *red circle* (Track Arm) on your track.

You should now see signal on the input and output meters and hear yourself in the USB 500 Rack headphones or speakers. If using speakers, be careful of feedback with your microphone during this setup check.

Steinberg Cubase

Launching Cubase will bring up the *Steinberg Hub*.

Under Projects, select Empty.

Use the default location, name your new project and click *Create*.

Go to *Devices-Device Setup.*

Under *VST Audio System*, select *Aphex ASIO* from the drop down menu.

You will be prompted, “Do you want to switch ASIO driver?” Click *Switch*.

Set *Audio Priority* to *Boost.*

Uncheck ASIO-Guard.

Click *Apply*, then click *OK.*

Go to *Devices-VST Connections*.

Inputs will show 500 RACK SLOT 1 & 2.

These are the inputs need for this demo, but if you want to add all of the inputs click on Add Bus.

Select STEREO and click add bus. Repeat until all 6 inputs are shown.

Outputs will show 500 RACK ANALOG L & R. These are analog outputs 1 & 2 on the rear panel, that would be connected to speakers.

If using headphones, click Add Bus. Select STEREO and click Add Bus. You can stop here for now or you can keep adding stereo buses until all 10 outputs are shown.

Exit the VST Connections Window.

Go to *Project-Add Track-Audio*. Select Mono and click *Add Track*.

The Input will default to Left Stereo In (which is Slot 1.)

The output will default to Stereo Out (speakers). Click on the output and select Stereo 2 if using headphones.

Click the *red circle* (Track Arm) on your track.

Click on the *Speaker* icon.

You should now see signal on the input and output meters and hear yourself in the speakers or headphones. If using speakers, be careful of feedback with your microphone during this setup check.

Avid Pro Tools

Launch Pro Tools and it will open to the Quick Start window.

Click the *arrow* next to *Session Parameters* and the window will expand to show *Audio File Type, Sample Rate, etc.*

The *Sample Rate* is greyed out because it is controlled by the Aphex control panel.

For I/O settings select *Stereo Mix*.

Click OK.

Give your session a name and location and click *Save*.

Go to *Setup-Playback Engine*.

Use the *top dropdown menu* to select *Aphex ASIO as the Playback Engine*.

Selecting this playback engine will automatically save and close your session. *Click Yes*.

Click OK and your session will close and reopen.

Go to *Setup-I/O.*

Click the *Input tab*. If you do not see the six 500 RACK inputs, select the current paths and click *Delete Path*.

Click *DEFAULT*.

The new path will display 500 RACK SLOT 1 & 2, 3 & 4 and S/PDIF 1 & 2.

Click the *Output tab*. If you do not see the 10 500 RACK outputs, elect the current paths and click *Delete Path*.

Click *Delete* on the popup window.

Click *Default.*

The path will now show 500 RACK Analog 1 & 2, Headphones L & R, SLOT 1 & 2, 3 & 4 and S/PDIF 1 & 2.

Click *OK*.

Go to *Track-New.*

Create 1 Mono Audio Track in Samples and click Create.

The Input will default to SLOT 1, but you'll need to change the output to Analog 1 & 2 if using speakers or Headphones L & R if using headphones.

Click the *red circle* (Track Arm) on your track.

You should now see signal on the input and output meters and hear yourself in the speakers or headphones. If using speakers, be careful of feedback with your microphone during this setup check.

Ableton Live 9

Launch Live and go to *File-New Live Set*.

Go to *Options-Preferences* and click the *Audio tab*.

Set *Driver Type* to ASIO.

Under *Audio Device* select Aphex ASIO.

Under Channel Configurations select Input Config.

Make sure all Input options are selected and click OK.

Click on Output Config.

Make sure all output options are selected and click OK.

Exit the Preferences window.

Open the mixer view.

At the bottom far right, click on the *I-O icon.*

The default set provides 2 MIDI tracks and 2 Audio tracks.

Find the audio track called 3 Audio.

The default should show *AUDIO FROM* EXT In, input 1.

Under MONITOR, click on AUTO.

The Master Output should show 1 / 2. These are analog outputs 1 & 2 on the rear panel that would be connected to speakers.

Use the Master Output dropdown to select 3 / 4 if using headphones.

Click the red track arm button and you should be able to hear yourself in the speakers or headphones. If using speakers, be careful of feedback with your microphone during this setup check.

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