NT-USB MINI

STUDIO-QUALITY USB MICROPHONE

Download ASIO Driver





Plug in your two RØDE NT-USB Mini's





Open Sound settings to deactivate the RØDE NT-USB Mini as the default audio source for your PC





Go to the Input selection and select any input that is NOT the RØDE NTUSB Mini.





Open up Reaper

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Using Ctrl+P, enter the preferences section and go into 'Device' by selecting it on the list to the left.





Select 'ASIO' in the 'Audio System' dropdown at the top, and then ASIO4ALL in the 'ASIO Driver' dropdown.





Click on the 'ASIO Configuration' button





Click on the spanner to enter the Advanced Options menu





Click on the power icons next to each of the entries for the RØDE NT-USB Mini to ensure they are all illuminated blue





Lower the ASIO Buffer Size using the slider to 64 Samples. This will ensure the lowest amount of latency is achieve for seamless recordings.

ASIO4ALL v2.13 - www.asio4all.com - feedback@asi	o4all.com X	
WDM Device List	Latency Compensation	
 Conexant SmartAudio HD Conexant HD Audio capture Conexant HD Audio output RØDE NT-USB Mini In: 1x 48kHz, 24Bits Out 2x 48kHz, 24Bits RØDE NT-USB Mini In: 1x 48kHz, 24Bits Out 2x 48kHz, 24Bits Out 2x 48kHz, 24Bits 	In: 0 Samples Out: 0 Samples Options Allow Pull Mode (WaveRT) Buffer Offset: 4 ms Always Resample 44.1kHz <-> 48kHz Force WDM Driver To 16 Bit	2.3.00 0:03.00
ASIO Buffer Size = 64 Samples	Keyboard/Multitouch	Audio devi
	Project Track/Send Defaults Media Item Defaults Audio Device MIDI Devices	ASIO Dr ⊡ Enab fir



Close the ASIO Configuration dialog box using the cross in the corner





In the Preferences dialog box, open the dropdown for the first audio input. You should see the list of all devices, with the RØDE NT-USB Mini grouped together. Set this first input to be the first RØDE NT-USB Mini entry.

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Now open the dropdown for the first audio input. You should see the list of all devices, with the RØDE NT-USB Mini grouped together. Set this input to be the last RØDE NT-USB Mini entry.





Click 'OK' to close the dialog box.





Double click in the (empty) track area to create a new track





Go to the new track and hit Record Arm





Click on the Meter to the left of the Mute (M) and Solo (S) buttons to select the Input for this track.

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[44.1kHz 24bit WAV : 4/2ch 512spls ~16/16ms ASIO] ~ Â :> ≙ • monitoring, record disabled; N Meter: record arme innut ▶**○** ■ ■ 1.1.00 / 0:00.000 0 I4 🛛 ÞI Ċ Ċ U H C 🚍 🟦 🚖 🕟 🕥 🐖 🌣 x^R ∧ ≡ (c, ↓× ENG 11:18 AM 25/03/2020 O Type here to search +

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On the Input Source drop down, select 'Mono' and then select the first NT-USB Mini device. This is labelled as 'RØDE NT-USB Mini 1'



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Double Click below the new track made previously to make an additional one.

File Edit View Insert Item Track Options Actions Help [Add new track] [44.1kHz 24bit WAV : 4/2ch 512spls ~16/16ms ASIO] **~** Â ⊃ ≙ 0 🛋 0 0.00dB cent ▶ a ■ ■ 1.1.00 / 0:00.000 0 I4 📕 Ċ Ċ U H 😑 🧮 🟦 🚖 🕟 🕥 🜌 🌣 x^R ∧ ≡ (c, ↓× ENG 11:22 AM 25/03/2020 O Type here to search

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Record Arm this Track



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RECORDING 2 MICS AND ZERO LATENCY MONITORING | PC



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Click on the Meter to the left of the Mute (M) and Solo (S) buttons to select the Input for this track.



[v] [unsaved project] - REAPER v6.05/x64 - EVALUATION LICENSE File Edit View Insert Item Track Options Actions Help [Change track recording parameters]



On the Input Source drop down, select 'Mono' and then select the second NT-USB Mini device. This is labelled as 'RØDE NT-USB Mini 1'

Note that each NT-USB Mini appears as two devices, labelled 1 and 2. So you need to select BOTH the devices labelled 'NT-USB Mini 1' using their position in the drop-down list to ensure you select a different one for each track.



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Now label your tracks by double-clicking the box to the right of the record arm button.

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[44.1kHz 24bit WAV : 4/2ch 512spls ~16/16ms ASIO] PODCASTER 1 PODCASTER 2 ▶ @ ■ ■ 4.4.00 / 0:07.500 I4 🛛 🕨 0 Ċ U H 😑 🧮 🟦 🚖 🕟 🕥 🜌 🌣 x^R へ 回 *信* 印) ENG 11:30 AM 25/03/2020 O Type here to search





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You are now ready to record! Set the mics in front of you and your guests; having them about 10-15cm away in front of your mouth is ideal. Click on the red record button. The recording will begin.



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To finish your recording, hit the space bar or click Stop, and then 'Save All'. You can now either record another segment or edit your recordings as required.



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HEADPHONE MONITORING

Hit Ctrl+P to open Preferences. In the devices section, select the first RØDE NT-USB Mini device in the output range section in the first drop down, and the last one in the 'last' dropdown, similarly to how you setup the inputs previously. Click 'OK' to close the dialog.





Click on the 'routing' icon in the master output in the mixer at the bottom of the screen. [v] [unsaved project] - REAPER v6.05/x64 - EVALUATION LICENSE File Edit View Insert Item Track Options Actions Help [Remove hardware output]

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In the 'Audio Hardware Outputs' section of the dialog box, click the 'Add new hardware output...' dropdown. If there are existing Hardware Outputs, you will need to delete them by pressing the Delete button



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Click on the 'Routing' section of the first microphone track in the mixer, to bring up the dialog box for that track. [unsaved project] - REAPER v6.05/x64 - EVALUATION LICENSE File Edit View Insert Item Track Options Actions Help [Remove hardware output]

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In the dialog box, click on the 'Add new hardware output' dropdown. **(**unsaved project] - REAPER v6.05/x64 - EVALUATION LICENSE ð X [44.1kHz 24bit WAV : 4/4ch 512spls ~16/16ms ASIO] File Edit View Insert Item Track Options Actions Help [Remove hardware output] 5 7 1 1 🗅 🔺 O V PODCASTER 1 🗿 ┥ PODCASTER 2 🕞 🍳 🗉 💷 1.1.00 / 0:00.000 Routing for track 1 "PODCASTER 1" MIDI Hardware Outp Master send Parent channels: 1-2 <no output> Track channels: 2 Send to original channels Pan: center Width: 100% Add new receive. +0 oms samples Add new send... Audio Ha Output Add new hardware output. x^R ∧ 12:54 PM O Type here to search S (w 🌣 e Ū



In the dropdown, select the second 'RØDE NT-USB Mini 1' device in the list. (Ignore any items which have two 'RØDE NT-USB Mini' devices as a single selection) [unsaved project] - REAPER v6.05/x64 - EVALUATION LICENSE

File Edit View Insert Item Track Options Actions Help [Toggle track mute]

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With this one now showing in the dialog box, click the dropdown under 'Add new hardware output' again. [unsaved project] - REAPER v6.05/x64 - EVALUATION LICENSE [44.1kHz 24bit WAV : 4/4ch 512spls ~16/16ms ASIO] File Edit View Insert Item Track Options Actions Help [Add hardware output] **~** Â ⊡ ₽ O PODCASTER 1 🗿 ┥ PODCASTER 2 Routing for track 1 "PODCASTER 1" MIDI Hardware Output Parent channels: 1-2 Master send 0 🕞 0 🔳 🗉 <no output> 0.00 dB Track channels: 2 Send to original channels FX U Pan: center Width: 100% Receives +0 O ms Add new receive... Add new send... Outputs Add new hardware output... Delete x^R ∧ 📼 🥂 ਪ× ENG 1:06 PM 25/03/202 G 🥎 🚾 🌣 O Type here to search Ū Цi е



This time select the second RØDE NT-USB Mini 2' device; this should be the last RØDE NT-USB device in the list. 🕥 [unsaved project] - REAPER v6.05/x64 - EVALUATION LICENSE

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[44.1kHz 24bit WAV : 4/4ch 512spls ~16/16ms ASIO]

Now click on the 'Routing' icon on the second track of the mixer.

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In the dropdown under 'Add new hardware input', select the first 'RØDE NT-USB Mini 1' device in the list. (Ignore any items which have two 'RØDE NT-USB Mini' devices listed as a single selection).



File Edit View Insert Item Track Options Actions Help [Adjust track volume



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With this selection added, click on the dropdown 'Add new hardware outputs...' again. Select the first 'RØDE NT-USB Mini 2' device in the list; this is the one immediately underneath the previous selection.

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Activate latency-free monitoring on both the NT-USB Mini microphones by clicking in the volume control. The lefthand LED will illuminate to indicate this feature is active.

If you connect headphones into each NT-USB Mini, you should be able to hear your own voice with no delay and hear the guest speaker in your headphones when they speak into their microphone.

They should similarly hear themselves with no delay and be able to also hear you when you speak into your microphone.





It could be that the volume of your own voice vs that of your guest is not balanced in your headphones. Typically, you can hear yourself louder than you can hear your guest.

To correct this, click on the 'routing' (1) icon for the second channel, to bring up the dialog box (assuming you are using the microphone on channel 1).

Adjust how loud your guest sounds in your headphones using both the large sliders (2). Note each slider operates the volume for one ear of your headphones.

(Our tests indicate that putting both sliders to maximum balances the volume of the two mics, although this may vary with different system setups). 🕥 [unsaved project] - REAPER v6.05/x64 - EVALUATION LICENSE

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You should now be able to record your podcast in comfort!

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