

Operating Instructions



Driver software for USB D/A Converter Functionality

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About these Operating Instructions

The N-50 is equipped with a USB D/A converter function that allows you to play high-quality music files stored on your computer, or the use of a media streaming service to play music files from the internet. Files can be played merely by connecting the N-50 to your computer by means of a USB cable, but in order to use the D/A converter function, a dedicated driver must be installed on your computer.

These operating instructions provide a wide range of information regarding use of the USB D/A converter function, from instructions on how to install the driver software on your computer, to help with troubleshooting issues.

Computer Environment

To utilize this driver, your computer must be equipped with a USB port supporting USB Rev2.0 HS. Use of the USB D/A converter function has been confirmed with the following operating systems.

- Microsoft[®] Windows[®] XP (32 bit)
- Microsoft[®] Windows[®] Vista (32 bit/64 bit)
- Microsoft[®] Windows[®] 7 (32 bit/64 bit)
- Mac OSX 10.6 10.7

🖉 Note

- Operation has been confirmed with the following media player software: for Windows OS, Windows Media Player 11/12. For the MAC OS, iTunes 10.4.
- In order to play music files on your computer using a Digital In USB port, it is recommended that you close all programs other than the media player software.
- Supported sampling rates / bits rates may differ depending on your computer's OS and the version of media player software used.

 $\label{eq:marks} Microsoft^{\circledast}, Windows^{\circledast} \mbox{ Vista, and Windows^{\circledast} \mbox{ XP are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.}$

Installing the driver software

Download and use the compressed installation program (Setup.exe) to install the driver on your computer. The compressed installation program file will be saved in the folder you designate at the time of download.

🖉 Note

- It is unnecessary to install the driver when using Mac OS X.
- 1 Use the USB cable to connect the N-50 to your computer. Turn on the power to the N-50.



2 Extract the compressed file contents to the desired folder, then click on the "Setup.exe" installer program in the folder.

The InstallShield wizard will appear.

Pioneer USB Audio De	vice – InstallShield Wizard
Pioneer US Wizard, whi process. Pla	3 Audio Device Setup is preparing the InstallShield sh will guide you through the rest of the setup ase wait.
	Cancel

3 Click on [Next].



4 Click on [Install].

Pioneer USB Audio Device
Ready to Install the Program The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
<u> </u>

The following screen will appear; wait until the step 5 instructions appear.

Pioneer USB Audio Device	
Setup Status	A-A
The InstallShield Wizard is installing Pioneer USB	Audio Device
Installing	
	Cancel

5 Click on [Finish].

Pioneer USB Audio Device	
	InstallShield Wizard Complete The InstallShield Wizard has successfully installed Pioneer USB Audio Device. Before you can use the program, you must restart your computer. (* [Yes, I want to restart my computer now.] (* No, I will restart my computer later. Remove any disks from their drives, and then click Finish to complete setup.
	K Back Finish Cancel

The driver installation is completed.

6 Reboot your computer to finalize installation of the driver.

Procedure finished.

To uninstall the driver

- 1 Click on the [Start] button at lower left of your monitor screen, then click on ([Settings] →) [Control Panel].
- 2 From the Control Panel menu, click on [Add or Remove Programs].
- **3** Select [Pioneer USB Audio Device] and click [Remove]. The uninstaller dialog will appear.
- 4 **Click [Next] to execute the uninstall process.** The driver software will be uninstalled.
- 5 Reboot your computer.

Troubleshooting (Windows XP)

When using Windows Vista, see page 6; for Windows 7, see page 10; for Mac OS X, see page 14.

1. No sound

In the event the N-50's power is set to Standby, or the source input is set to something other than **Digital In USB**, do not start your computer's media player software. Change the input to **Digital In USB** before starting your computer's media player.

- 1 Click on [Start] → ([Settings] →) [Control Panel] → [System].
- 2 Click on the [Hardware] tab then click on [Device Manager].
- 3 Click on [Universal Serial Bus controllers] and confirm that [USB Composite Device] is listed.



Procedure continues.

4 Click on [Sound, video and game controllers] and confirm that [Pioneer USB Audio Device] is listed.



If the above devices are not listed as described, confirm that the N-50's input source is set to **Digital In USB**, then either disconnect and reconnect the USB cable, or set the power to Standby then turn it On again.

- 5 Click on [Start] → ([Settings] →) [Control Panel] → [Sound, Speech, and Audio Devices] → [Sounds and Audio Devices].
- 6 Open the sound and audio Properties.

7 Click on the [Audio] tab, then confirm that [Pioneer USB Audio Device] is listed as the [Default device] for [Sound playback].

 \rightarrow If another device has been selected, open the drop-down menu and select [Pioneer USB Audio Device], then click on [Apply] to change the selection.

Sounds and Audio Devices Properties ?					
Volume	Sounds Audio Voice Hardwa	re			
Sound	playback				
Ø,	<u>D</u> efault device:				
	Pioneer USB Audio Device	~			
	Volume Adva <u>n</u> ced				
Sound	recording	51			
	D <u>e</u> fault device:				
18	No Recording Devices	~			
	Volume Advanged				
MIDI m	usic playback				
	De <u>f</u> ault device:				
<u></u>	Microsoft GS Wavetable SW Synth	~			
	Volu <u>m</u> e A <u>b</u> out				
Use of	Use only default devices				
	OK Cancel	oply			

- 8 To enable the new setting, reboot your computer.
- 9 Confirm that your media player's sound volume is set to Maximum.

In the event your media player requires an output plugin setting, confirm that [Pioneer USB Audio Device] is selected.

Procedure finished.

2. To disable the operating system's sound scheme

Under default OS settings, computer events may be accompanied by audio signals and beeps that are audible through the speakers attached to the N-50. In the event you do not wish to hear such non-music signals, follow the instructions listed below:

- 1 Click [Start] \rightarrow [Control Panel] \rightarrow [Sounds and Audio Devices].
- 2 Click on the [Sounds] tab, and for the [Sound scheme], select [No Sounds], then click on [Apply].

Sounds and Audio Devices Properties 🛛 🕐 🔀						
Volume	Sounds	Audio	Voice	Hardware	_	
A sound so and progra have modi	cheme is a set Ims. You can s fied.	of sounds app elect an existi	blied to eventing scheme o	s in Windows r save one you		
Sound s <u>c</u> h	neme:					
No Sound	ds			~		
		S	av <u>e</u> As	<u>D</u> elete		
To change then select sound sch	To change sounds, click a program event in the following list and then select a sound to apply. You can save the changes as a new sound scheme.					
Program events: Windows Solution Asterisk Close program Critical Battery Alarm Critical Stop Critical Stop Default Beep						
<u>S</u> ounds: (None)			× •	Browse		
		ОК	Cancel	Apply		

Troubleshooting (Windows Vista)

When using Windows XP, see page 4; for Windows 7, see page 10; for Mac OS X, see page 14.

1. No sound

In the event the N-50's power is set to Standby, or the source input is set to something other than **Digital In USB**, do not start your computer's media player software. Change the input to **Digital In USB** before starting your computer's media player.

- 1 Click on [Start] → [Control Panel] → [System and Maintenance] → [System].
- 2 From the [Tasks] list, click on [Device Manager].



Procedure continues.

3 Click on [Sound, video and game controllers] and confirm that [Pioneer USB Audio Device] is listed.



4 Click on [Universal Serial Bus controllers] and confirm that [USB Composite Device] is listed.

🚔 Device Manager	- • ×
<u>File Action View Help</u>	
H Monitors	
🖥 😴 Network adapters	
🖶 🌆 🚺 Other devices	
Ports (COM & LPT)	
👜 🛄 Processors	
🕀 💯 Security Devices	
👜 💐 Sound, video and game controllers	
🗟 💠 Storage controllers	
👜 🕀 System devices	
눮 📮 Universal Serial Bus controllers	
— 🏺 Generic USB Hub	
— 🏺 Intel(R) ICH8 Family USB Universal Host Controller - 2830	
Intel(R) ICH8 Family USB Universal Host Controller - 2831	
— 🏺 Intel(R) ICH8 Family USB Universal Host Controller - 2834	
— 🏺 Intel(R) ICH8 Family USB Universal Host Controller - 2835	
→ 🏺 Intel(R) ICH8 Family USB2 Enhanced Host Controller - 2836	
— 🗰 Intel(R) ICH8 Family USB2 Enhanced Host Controller - 283A	E
USB Composite Device	
USB Composite Device	
USB Root Hub	

If the above devices are not listed as described, confirm that the N-50's input source is set to **Digital In USB**, then either disconnect and reconnect the USB cable, or set the power to Standby then turn it On again.

- 5 Click on [Start] \rightarrow [Control Panel] \rightarrow [Hardware and Sound] \rightarrow [Sound].
- 6 Under the [Playback] tab, confirm that for [Speakers], [Pioneer USB Audio Device] is checked as the default device.

 \rightarrow If another device has been selected, select [Pioneer USB Audio Device], and click to [Set Default].



7 Double click on [Speakers] ([Pioneer USB Audio Device]), and display its Properties.

Procedure continues.

8 Under the [Levels] tab, set the [Speakers] level to maximum.

If the Speaker Mute indicator (at the left side of the Balance button) is lighted, click it to turn it off.

Speakers Properties	×
General Levels Advanced	
Speakers 100 Delta Balance	
OK Cancel App	oly

9 Confirm that your media player's sound volume is set to Maximum. In the event your media player requires an output plugin setting, confirm that [Pioneer USB

Procedure finished.

Audio Device] is selected.

2. To disable the operating system's sound scheme

Under default OS settings, computer events may be accompanied by audio signals and beeps that are audible through the speakers attached to the N-50. In the event you do not wish to hear such non-music signals, follow the instructions listed below:

- 1 Click [Start] \rightarrow [Control Panel] \rightarrow [Hardware and Sound] \rightarrow [Sound].
- 2 Click on the [Sounds] tab, and for the [Sound scheme], select [No Sounds], then click on [Apply].

📢 Sound 📃	×
Playback Recording Sounds	
A sound theme is a set of sounds applied to events in Windows and programs. You can select an existing scheme or save one you have modified.	
Sound Scheme:	
No Sounds	
to change sounds, click a program event in the following list and then select a sound to apply. You can save the changes as a new sound scheme. Program	
Windows	
Acterisk	
Close program	
Critical Battery Alarm	
Critical Stop	
Default Beep	
<u>S</u> ounds:	
(None)	
OK Cancel Apply	

Procedure finished.

3. To set the sampling frequency for audio data output from your computer

By synchronizing the sampling frequency of playback files with the transmission sampling rate, sound can be transmitted without the need for frequency conversion.

When a high sampling frequency is set on a computer with inadequate processing capacity, audio playback may be disrupted. In this event, the bit rate and frequency should be set to low values such as 2-channel, 24-bit, 44100 Hz.

- 1 Click on [Start] \rightarrow [Control Panel] \rightarrow [Hardware and Sound] \rightarrow [Sound].
- 2 Under the [Playback tab], for [Speakers], double click on [Pioneer USB Audio Device] to display the Properties.

🍕 Sound	—
Playback Re	cording Sounds
Select a pla	yback device below to modify its settings:
	Speakes High Definition Audio デバイス Working
	Speakers Pioneer USB Audio Device Working
Configur	e <u>S</u> et Default <u>Properties</u>
	OK Cancel Apply

3 Under the [Advanced] tab, select for [Default Format] the desired output sampling rate, then click on [Apply].

Speakers Properties
General Levels Advanced
Default Format Select the sample rate and bit depth to be used when running in shared mode.
24 bit, 48000 Hz (Studio Quality) 16 bit, 44100 Hz (CD Quality) 16 bit, 48000 Hz (DVD Quality) 16 bit, 96000 Hz (Studio Quality) 16 bit, 192000 Hz (Studio Quality) 24 bit, 44100 Hz (Studio Quality) 24 bit, 44000 Hz (Studio Quality) 24 bit, 44100 Hz (Studio Quality)
24 bit, 96000 Hz (Studio Quality) 24 bit, 192000 Hz (Studio Quality)
Restore <u>D</u> efaults
OK Cancel Apply

Troubleshooting (Windows 7)

When using Windows XP, see page 4; for Windows Vista, see page 6; for Mac OS X, see page 14.

1. No sound

In the event the N-50's power is set to Standby, or the source input is set to something other than **Digital In USB**, do not open your computer's media player software. Change the input to **Digital In USB** before starting your computer's media player.

- 1 Click on [Start] → [Control Panel] → [System and Security].
- 2 Under [System], click on [Device Manager].
- 3 Click on [Sound, video and game controllers] and confirm that [Pioneer USB Audio Device] is listed.



Procedure continues.

4 Click on [Universal Serial Bus controllers], and confirm that [USB Composite Device] is listed.



If the above devices are not listed as discribed, confirm that the N-50's input source is set to **Digital In USB**, then either disconnect and reconnect the USB cable, or set the power to Standby then turn it On again.

5 Click on [Start] \rightarrow [Control Panel] \rightarrow [Hardware and Sound] \rightarrow [Sound].

6 Under the [Playback] tab, confirm that for [Speakers], [Pioneer USB Audio Device] is checked as the [Default Device].

 \rightarrow If another device has been selected, select [Pioneer USB Audio Device], and click on [Set Default].

🛞 Sound					×
Playback	Recording	Sounds	Communications		
Select a	playback de	evice belo	w to modify its se	ettings:	
	Speake High D Ready	ers Definition	Audio デバイス		
	Speake Pionee Oefaul	e rs r USB Au t Device	dio Device		
<u>C</u> onfi	gure		<u>S</u> et Defa	ault 🔻 🔤	erties
			ОК	Cancel	Apply

7 Double click on [Speakers] ([Pioneer USB Audio Device]), and display its Properties.

Procedure continues.

8 Under the [Levels] tab, set the [Speakers] level to maximum.

If the Speaker Mute indicator (at the left side of the Balance button) is lighted, click it to turn it off.

Speakers 100 Delta Balance	Speakers 100 Delta Balance	Gene	ral Leve	ls Advance	ed				
		S	peakers		0	100		Balance	
					ОК		Cancel		nlv

9 Confirm that your media player's sound volume is set to Maximum.

In the event your media player requires an output plugin setting, confirm that [Pioneer USB Audio Device] is selected.

2. To disable the operating system's sound scheme

Under default OS settings, computer events may be accompanied by audio signals and beeps that are audible through the speakers attached to the N-50. In the event you do not wish to hear such non-music signals, follow the instructions listed below:

- 1 Click [Start] \rightarrow [Control Panel] \rightarrow [Hardware and Sound] \rightarrow [Sound].
- 2 Click on the [Sounds] tab, and for the [Sound scheme], select [No Sounds], then click on [Apply].

Playback Recording Sounds Communications
A sound theme is a set of sounds applied to events in Windows and programs. You can select an existing scheme or save one you have modified. Sound Sc <u>h</u> eme:
Windows 標準
Afternoon Calligraphy Characters Cityscape Delta Festival Garden Heritage Landscape No Sounds Quirky Raga Savanna Sonata Windows 標準
(None)
OK Cancel Apply

Procedure finished.

3. To set the sampling frequency for audio data output from your computer

By synchronizing the sampling frequency of playback files with the transmission sampling rate, sound can be transmitted without the need for frequency conversion.

When a high sampling frequency is set on a computer with inadequate processing capacity, audio playback may be disrupted. In this event, the bit rate and frequency should be set to lower values such as 2-channel, 24-bit, 44100 Hz.

- 1 Click on [Start] \rightarrow [Control Panel] \rightarrow [Hardware and Sound] \rightarrow [Sound].
- 2 Under the [Playback] tab, for [Speakers], double click on [Pioneer USB Audio Device] to display the Properties.

💮 Sound		×
Playback Re	acording Sounds Communications	
Select a pla	yback device below to modify its settings:	
	Speakers High Definition Audio デバイス Ready	
	Speakers Pioneer USB Audio Device Default Device	
Configur	<u>e</u> <u>Set Default</u> <u>Proper</u>	ties
	OK Cancel A	pply

3 Under the [Advanced] tab, select for [Default Format] the desired output sampling rate, then click on [Apply].

Speakers Properties	x
General Levels Advanced	
Default Format Select the sample rate and bit depth to be used when running in shared mode.	
24 bit, 192000 Hz (Studio Quality)	
16 bit, 44100 Hz (CD Quality) 16 bit, 48000 Hz (DVD Quality) E16 bit, 88200 Hz (Studio Quality) 16 bit 96000 Hz (Studio Quality)	
16 bit, 192000 Hz (Studio Quality) this device 24 bit, 44100 Hz (Studio Quality) 24 bit, 48000 Hz (Studio Quality) 24 bit, 48000 Hz (Studio Quality)	
24 bit, 192000 Hz (Studio Quality)	
Restore <u>D</u> efaults	
OK Cancel App	ply

Troubleshooting (Mac OS X)

When using Windows XP, see page 4; for Windows Vista, see page 6; for Windows 7, see page 10.

1. No sound

In the event the N-50's power is set to Standby, or the source input is set to something other than **Digital In USB**, do not start your computer's media player software. Change the input to **Digital In USB** before starting your computer's media player

- 1 Click on [System Preferences...] \rightarrow [Sound].
- 2 Select the [Output] tab, then under [Select a device for sound output], select [Pioneer USB Audio Device].

0	Sound	
▶ Show All		Q
	Sound Effects Output Inpu	t
Select a device for sound	output:	
Name	Туре	
Internal Speakers	Built-i	n
Pioneer USB Audio Device	USB	
Settings for the selected de	vice:	
	The colored device has no extern	t controls
	The selected device has no output	controis
		(\mathcal{O})
	(
Use audio port fo	r: Sound Output	\$
Output volume		□ =113) □ Muta
Output volume		
	Show volume in menu bar	
	_	

If the above devices are not listed as described, confirm that the N-50's input source is set to **Digital In USB**, then either disconnect and reconnect the USB cable, or set the power to Standby then turn it On again.

Procedure finished.

2. To disable the operating system's sound scheme

Under default OS settings, computer events may be accompanied by audio signals and beeps that are audible through the speakers attached to the N-50. In the event you do not wish to hear such non-music signals, follow the instructions listed below:

- 1 Click [System Preferences...] \rightarrow [Sound].
- 2 Click on [Sound Effects] tab, and for the item [Selected sound output device], click [Internal Speakers].

Show All	٩
	Sound Effects Output Input
Select an alert so	und:
Name	Туре
Basso	Built-in
Blow	Built-in
Bottle	Built-in
Frog	Selected sound output device
Ale	Pioneer USB Audio Device rt volume: ✓ Play user interface sound effects ✓ Play feedback when volume is changed
Use audi Outoi	o port for: Sound Output 🔅

3 Select the [Output] tab, and for the item [Select a device for sound output], click on [Pioneer USB Audio Device].

000	Sound	
Show All		٩
	Sound Effects Output	Input
Select a device for sound	output:	
Name		Туре
Internal Speakers		Built-in
Pioneer USB Audio Device		USB
Settings for the selected de	vice: The selected device has no	output controls
Use audio port fo Output volum	r: Sound Output	+ Mute bar

3. To set the sampling frequency for audio data output from your computer

By synchronizing the sampling frequency of playback files with the transmission sampling rate, sound can be transmitted without the need for frequency conversion.

1 Click on [Finder] \rightarrow [Applications] \rightarrow [Utilities] \rightarrow [Audio MIDI Setup].

00	Applications
FAVORITES	Name
All My Files	🕨 🕅 Utilities
An my mes	Time Machine
TrDrop	🜍 TextEdit
🔜 Desktop	System Preferences
Applications	🗐 Stickies
Documents	🎯 Safari
Documents	🍇 Remote Desktop Connection
DEVICES	🔇 QuickTime Player
🖾 iDisk	🚳 Preview
_	🗾 Photo Booth

0 0	Applications
FAVORITES	Name
📇 All My Files	🔀 RAID Utility
AirDrop	Podcast Publisher
Desktop	Podcast Capture
Desktop	Network Utility
Applications	🍇 Migration Assistant
Documents	🖗 Keychain Access
	🔲 Java Preferences
DEVICES	阑 Grapher
iDisk	🕅 Grab
	Bisk Utility
	Ø DigitalColor Meter
	Console
	🗶 ColorSync Utility
	Boot Camp Assistant
	🕹 Bluetooth File Exchange
	🗖 Audio MIDI Setup
	AppleScript Editor

Procedure continues.

- 2 Select [Pioneer USB Audio Device].
- 3 Select the bit rate and sampling frequency for the desired audio file.

0 0		Audio Devices			
Built-in Input 2 in/ 0 out Built-in Output 0 in/ 2 out	₽	Pioneer USB Audio Device Clock source: Default		?	
Pioneer USB Audio De 0 in/ 2 out	vice	Input	Output		
		Source: Default Format: 192000.0 H V 44100.0 Hz	2ch–32bit Integer	\$	
		Ch V 48000.0 Hz Master 88200.0 Hz 2 96000.0 Hz <u>192000.0 Hz</u>	Value	dB Mute	•
+ - & •			Configu	re Speakers	

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http://golfingnear.com Email search by domain

http://emailbydomain.com Auto manuals search

http://auto.somanuals.com TV manuals search

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