

AT-DAC100

Installation Manual D/A Converter



Installing the dedicated driver software (Windows 8.1/10)

- The computer automatically restarts when installation of the dedicated driver software is complete. Before you start, save and close any files you are currently working on.
- Do not connect the product while you are installing the dedicated driver software. If you do, it may not be installed properly.
- 1. Unzip the compressed file (Zip file) that you downloaded, and then double-click the "setup.exe" file.
- 2. Click "Next".



3. Specify where to install the software, and then click "Next".

d AT-DAC100		
Select Installation Folder		
The installer will install AT-DAC100 to the following folder.		
To install in this folder, click "Next". To install to a different folder, en "Browse".	ter it belo	ow or click
Eolder: C¥Program Files (x86)¥audio-technica¥AT-DAC100¥	Br	owse
	Dis	k Cost
Install AT-DAC100 for yourself, or for anyone who uses this computer.		
◯ <u>E</u> veryone		
● Just <u>m</u> e		
Cancel < <u>B</u> ack		Next >

4. Click "Next".

🖶 AT-DAC100			—		×
Confirm Installation					
The installer is ready to install AT-D.	AC100 on your cor	nputer.			
Click "Next" to start the installation.					
			_		
	Cancel	< Back	- [r	Next:	>

5. Installation starts.

• This takes some time.

🖶 AT-DAC100		-	
Installing AT-DAC100			
AT-DAC100 is being installed.			
Please wait		_	
	Curvel	(Deck	blacks
	Cancel	> <u>□</u> ack	Mext >

6. When the following screen appears, select "Always trust software from "SAVITECH CORP.".", and then click "Install".

🖽 Windows Security	×
Would you like to install this device software?	
Name: audio-technica Universal Serial Bus cont Publisher: SAVITECH CORP.	
Always trust software from "SAVITECH CORP.".	Do <u>n</u> 't Install
You should only install driver software from publishers you trust. <u>H</u> which device software is safe to install?	<u>ow can l decide</u>

Installing the dedicated driver software (Windows 8.1/10)

- 7. Installation starts again.
 - This takes some time.

륟 AT-DAC100	- 🗆	×
Installing AT-DAC100		
AT-DAC100 is being installed.		
Please wait		_
	< Back Next >	>

- 10. When all the installations are complete and the following screen appears, click "Close".
 - When the computer successfully restarts, installation of the dedicated driver software is complete. After the computer restarts, proceed to "Computer settings (Windows 8.1/10)".

🚰 AT-DAC100			—	
Installation Complete				
AT-DAC100 has been successfully	installed.			
Click "Close" to exit.				
	Cancel	< <u>B</u> ack		Close

8. Click "Yes".

- The computer automatically restarts after 60 seconds.
- Before you start, save and close any files you are currently working on.



9. When the following screen appears, click "Close".



Computer settings (Windows 8.1/10)

- 1. Use the USB cable (sold separately) to connect the product to the computer.
 - The first time the product is connected to the computer, the computer automatically recognizes the product and the driver is installed on the computer.
 - In the lower right part of the screen, a message appears indicating that new hardware has been found or a notification appears that the driver software has been installed.

2. Open the "Control Panel".

- For Windows 10, select "Start menu" > "Windows System" > "Control Panel".
- For Windows 8.1, right-click "Start Menu", and select "Control Panel".

3. On the "Control Panel", click "Sound".

4. In the "Playback" tab, select the product, click "Set Default", and then click "Properties".

🕅 Sound 🛛 🗙	(
Playback Recording Sounds Communications	
Select a playback device below to modify its settings:	
Digital Output HiRes DAC PCM768/DSD512 Default Device	
<u>⊆</u> onfigure <u>S</u> et Default Properties	
OK Cancel Apply	

 Select the "Supported Formats" tab, and then clear all the "Encoded formats". Select all of the "Sample Rates", and then click "Apply".

Digital Output Properties General Supported Formats Levels Advanced Spatial sound	×
Encoded formats Which of the following formats is your Digital Receiver able to decode? DTS Audio Dolby Digital Microsoft WMA Pro Audio	
Sample <u>B</u> ates Which of the following sample rates are supported by your Dinital Receiver?	
✓ 44.1 kHz ✓ 96.0 kHz ✓ 48.0 kHz ✓ 176.4 kHz ✓ 88.2 kHz ✓ 192.0 kHz	

• If "Encoded formats" are selected, excessive noise may occur.

6. Select the "Levels" tab, set "Main volume" to the maximum (100), and then click "OK".

🔹 Digit	al Output Properties	×
General	Supported Formats Levels Advanced Spatial sound	
Main	volume	
_		
	OK Cancel Apply	

Computer settings (Windows 8.1/10)

7. Select the "Sounds" tab, in "Sound Scheme" select "No Sounds", and then click "OK".

Sound	×
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 Scheme:	
No Sounds V Save As Delete	
then select a sound to apply. You can save the changes as a new sound scheme. Program <u>E</u> vents:	
Windows Asterisk Calendar Reminder Calendar Reminder Cice Program	
Critical Battery Alarm Critical Stop ✓	
Play Windows Startup sound	
Sounds:	
(None) \checkmark Fiest Browse	
OK Cancel Apply	

- On the "Control Panel", click "Power Options", and if the power plan is set to save energy, select "High performance" or "Balanced (recommended)".
 - If the computer is set to save energy, a "clicking" noise may occur while playing audio.

훻 Power C	Options			-		×
$\leftarrow \rightarrow$	 	and Sound > Power Options v 🖑	Search Contro	ol Panel		P
Control	Panel Home	Choose or customize a power plan				•
Choose buttons	what the power do	A power plan is a collection of hardware and s sleep, etc.) that manages how your computer	ystem settings (uses power. <u>Tel</u>	like disp me mo	lay brigh re about	itness, power
Create a	power plan	plans				
Choose when to turn off the		Preferred plans				
display	display	Balanced (recommended)	CI	hange pl	an settin	qs
		Automatically balances performance wi capable hardware.	th energy const	umption	on	
		O Power saver	C	hange pl	an settin	qs
		Saves energy by reducing your compute	er's performanc	e where j	possible.	
		Hide additional plans				- 🔿
		High performance Jt may use more	CI energy.	hange pl	an settin	gs
See also						
User Ac	counts					

Computer settings (Mac OS X)

• If you are using a Mac OS, you do not need to install the dedicated driver software.

How to select a sound device

- 1. Use the USB cable (sold separately) to connect the product to the computer.
 - The first time the product is connected to the computer, the computer automatically recognizes the product and the driver is installed on the computer.
- 2. From the Apple icon, select "System Preferences".
- 3. Click "Sound".
- 4. In the "Output" tab, select the product.

and an a state of the		
Select a device for sound out	iput:	
Name	Туре	
HiRes DAC PCM768/DSD512	USB	
Settings for the selected devic Balance:	e: left cight	

How to select a sound format

- 1. Go to the "Utilities" folder in the "Applications" folder, and then open "Audio MIDI Setup".
- 2. In "Audio Devices", select the product, and then in the "Output" tab, select a sampling rate and bit depth.

• • •	Audio Devices			
Built-in Microphone 2 ins / 0 outs Built-in Output	HiRes DAC PCM768/DSD512 Clock Source: Default	2		?
	Source: Default Forma 2 ch 24-bit Integer 48.0 kHz 3			
	Channel Volume	Value	dB	Mute
	▼Master Stream			
	Master			
	Front Left	1.0	0.0	
	Front Right	1.0	0.0	
	Cor	nfigure Sp	beakers	s)

AT-DAC100 Audio Control Panel operating procedure (Windows OS only)

The AT-DAC100 Audio Control Panel is installed, and a shortcut is created on the desktop, at the same time as the dedicated driver software is installed.

AT-DAC100 Audio Control Panel is compatible with Windows 8.1 and Windows 10.

- Enabled only when used in ASIO mode. We recommend ASIO mode when using the product.
- To use WASAPI mode or Direct Sound mode, change the sampling frequency and bit depth on the music playing software.
- 1. Use the USB cable (sold separately) to connect the product to the computer.
- 2. Double-click the "AT-DAC100 Audio Control Panel" icon on the desktop.



3. Select the bit depth (in Bit Depth) and the buffer size (in Buffer (ms)) for output in ASIO mode.

- If audio cuts out or a "clicking" noise occurs while playing music, set a longer buffer size.
- To use the AT-DAC100 Audio Control Panel, you need to set the output of the music playing software to ASIO mode.
- If the output setting of the music playing software you are using is set to anything other than ASIO mode (such as WASAPI mode or Direct Sound mode), then the AT-DAC100 Audio Control Panel is disabled. In this case, the bit depth may display only up to 16 bits.
- To use an output mode other than ASIO mode (such as WASAPI mode or Direct Sound mode), set the various settings from the music playing software or "Control Panel" as shown below.

"Control Panel" > "Sound" > "Playback" tab > "HiRes DAC PCM768/ DSD512" > "Properties"

🚍 AT-DAC100 🛛 😑				
🕂 ASIO State	UNLOAD			
Bit Depth	16 24 32 PCM PCM/ PCM/ DSD DSD			
U Buffer(ms)	5 7 10 15 20 30 50 100			
SAVI AUD [†] © Ver.3	10.139.2 audio-technica			

 When playing music in ASIO mode, the current playback format and other detailed information are displayed.



Compatibility lists

Output mode	Playback format	Sampling frequency	
ASIO	PCM	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz, 352.8 kHz, 384 kHz, 705.6 kHz, 768 kHz	
	DSD	DSD64, DSD128, DSD256, DSD512	
WASAPI	PCM	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz, 352.8 kHz, 384 kHz, 705.6 kHz, 768 kHz	
	DSD	DSD64, DSD128, DSD256	
Direct Sound	PCM	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz	
	DSD	Can be converted to PCM by an application and then played	

Windows 8.1/10 compatibility list (USB input)

• To play audio with a sampling frequency higher than PCM 192 kHz in Direct Sound mode, use an application to do down sampling.

Mac OS X compatibility list (USB input)

Playback format	Sampling frequency
PCM	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz, 352.8 kHz, 384 kHz, 705.6 kHz, 768 kHz
DSD	DSD64, DSD128, DSD256

• To play audio in DSD format, set the product's output to 24 bit or 32 bit in "Audio MIDI Setup".

Other system's compatibility list (USB input)

Playback format	Sampling frequency				
	Android (Host conversion cable is needed.)	iOS (Camera adapter kit is needed.)	Other portable audio players		
PCM	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz, 352.8 kHz, 384 kHz, 705.6 kHz, 768 kHz	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz, 352.8 kHz, 384 kHz, 705.6 kHz, 768 kHz	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz, 352.8 kHz, 384 kHz		
DSD	DSD64, DSD128, DSD256, DSD512	DSD64, DSD128, DSD256	DSD64, DSD128, DSD256		

• The playback formats and sampling frequencies that can be used to play audio vary according to the specifications of the connected device and the performance of the application. For details, see the User Manual for the connected device. Also, refer to "Operating Restrictions" on the product's web page.

• Microsoft[®], Windows[®], and Internet Explorer are registered trademarks of Microsoft Corporation in the USA and other countries.

- Windows is used as an abbreviated form of Microsoft Windows operating system.
- Macintosh and Mac OS are trademarks of Apple Inc. registered in the USA and other countries.