

# ALLEN & HEATH®



# **Xone:96**

PC SOFTWARE RELEASE NOTES

X96\_PCSRN\_v4670\_2

# DRIVER INSTALLATION (PC)

This release updates, ASIO compatible, Microsoft Windows® PC system Device Drivers for XONE:96

Xone Product                    **Xone:96**  
Device Driver (PC)            **X96\_v4670.zip**                    [X96\_v4670.exe]

Supported OS:                Microsoft Windows®    11  
                                     Microsoft Windows®    10

Refer to page 6 for details of software changelogs.



## Installing XONE Device Software

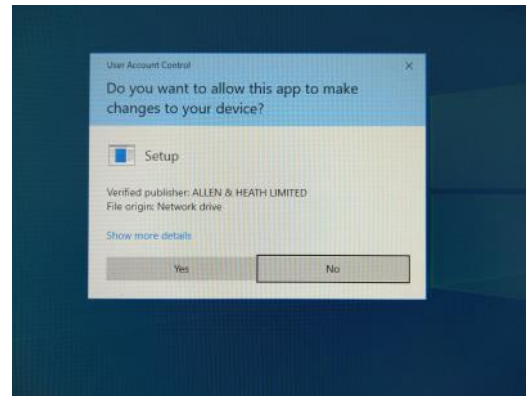
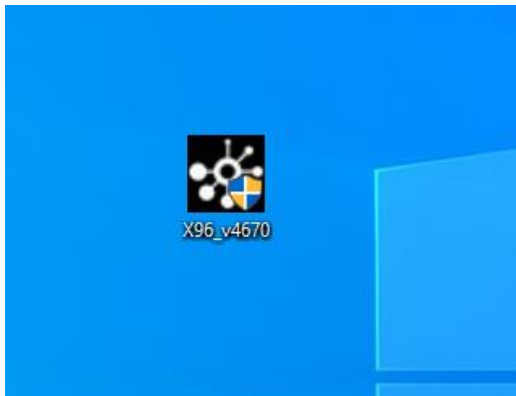
In order to access all internal dual-soundcard channels of the Xone:96 for use with Windows® PC, you will need to install the dedicated, ASIO® compatible, Device Drivers.

Check you have downloaded the current Device Software bundle, available for download from the Allen & Heath website: [www.allen-heath.com/xone96](http://www.allen-heath.com/xone96)

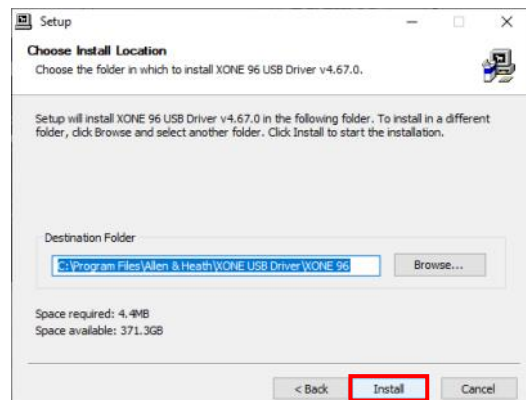
### PLEASE FOLLOW INSTALL INSTRUCTIONS CAREFULLY

**NOTE:** Please ensure you are logged on to the PC with Administrator access enabled

- When the driver package has downloaded, extract the installer to your computer desktop. Follow the on-screen instructions as detailed below and overleaf. The installer will also guide you through the steps necessary to install this software.
- Double-click on the XONE:96 Driver Setup application, X96\_v4670 to begin.



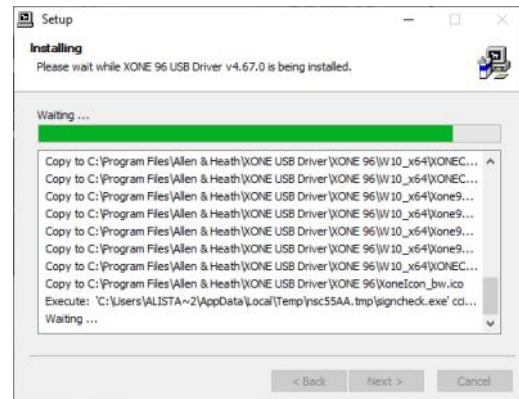
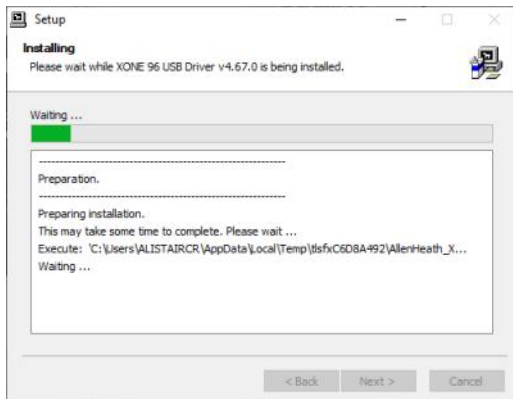
- Click **Yes** on the User Account Control if prompted to confirm and continue installation.
- Click **Next** to run the installer application.



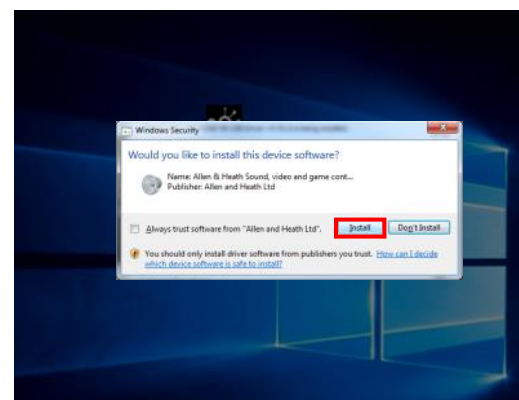
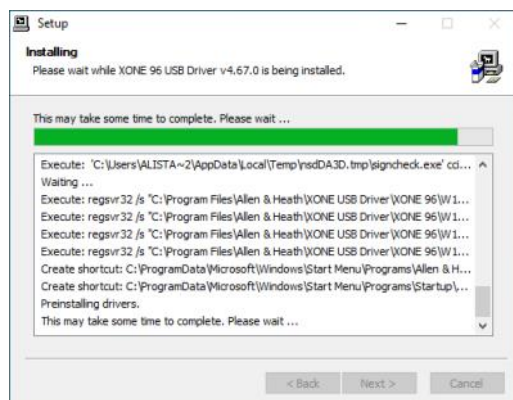
- Click on the **Install** tab to pre-install the Device Drivers to the default system folder. A series of messages will be displayed...

# DRIVER INSTALLATION (PC) continued

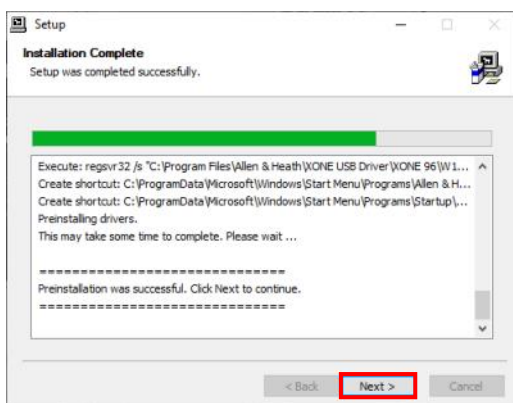
- *This may take some time to complete.*
- *Please wait while XONE:96 v4.67.0 software is installed...*



- Click **Install** if prompted to install *Allen&Heath Sound, video and game controllers* software.
- Click **Install** if prompted to install *Allen&Heath XONE:96 Audio Devices* software.



- Connect the XONE:96 mixer to your PC via the USB 1, or USB 2 port and power the unit **ON\***.



- Click **Next** to continue once the pre-installation process has completed.
- Click **Finish** to complete the Device Driver installation.

\* **NOTE:**

It is possible to run the XONE:96 Device Driver pre-installation process without connecting the XONE:96 mixer to your computer.

In this case you will be prompted to “...*disconnect and reconnect the device to complete driver installation.*”

If the mixer cannot be connected, click **Yes** on the prompt to close the application.

To complete installation, connect the XONE:96 to your PC via USB, power the mixer **ON**.

Wait a few moments for the PC to enumerate the mixer before opening your software application.

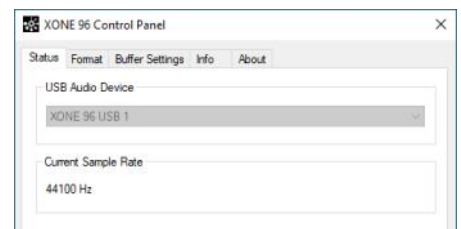
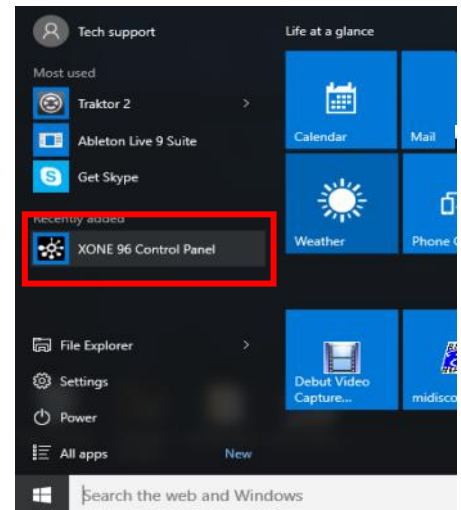
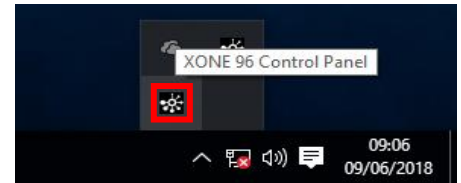
# DRIVER INSTALLATION (PC): DEVICE CHECK

## Confirming Driver Installation and Hardware Device connection

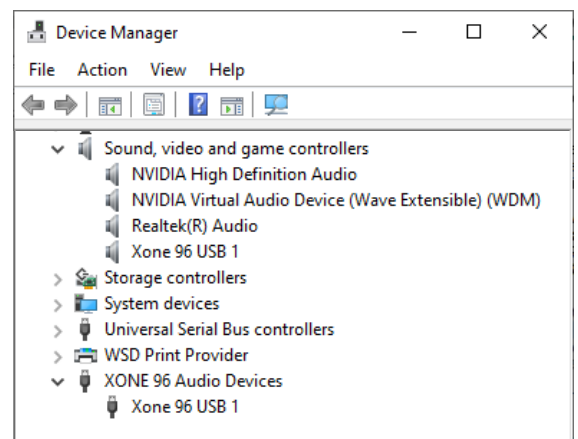
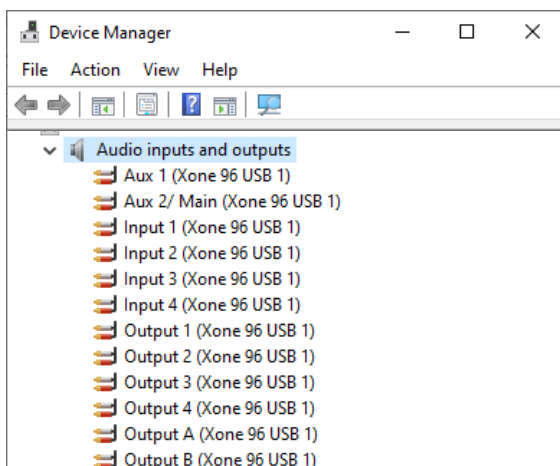
Microsoft Windows®

When first connecting the XONE:96 to a PC computer after the Device Drivers are installed, check the mixer is recognised correctly before opening your Digital DJ, or DAW, software application.

- Connect the XONE:96 to your PC via USB 1 or 2  
The corresponding USB 1/ 2 ACTIVE indicator illuminates BLUE when the mixer is powered ON.
- Click the **Show hidden icons** tab on the Taskbar
- Check XONE:96 Control Panel icon is displayed
  
- Next, click on the Windows Start icon.
- The XONE:96 Control Panel icon should be displayed under **Recently added** apps
  
- Open the XONE 96 Control Panel
- Status view displays: XONE:96 USB 1 (or USB 2) and Current Sample Rate
- Format view Input and Output sections display:  
12 channels and the currently selected bit depth.
- Sample Rate is selectable from 44.1 to 96kHz.
- Bit depth is selectable between 16bits and 32bits
- Device Settings can be adjusted as required to suit applications, or host system's CPU capacity.  
Adjustment is implemented via DAW host audio prefs (ASIO), or system Sound dialogue (WDM)
- See p.5 for supported buffer sizes. See p.6 for updated WDM Audio options



- Next, open the Hardware Device Manager dialogue. Navigate to:  
*START / Settings / Devices / Device Manager*
- With the Device Drivers for the internal soundcards correctly installed, XONE:96 is listed as a hardware device under three device trees.
- Expand (click on >) the *Audio inputs and outputs* tree to display:  
**Aux 1 (Xone 96 USB n) + Aux 2/ Main Mix (Xone 96 USB n) + Input 1 - 4 (Xone 96 USB n)**  
and **Output 1 - 4 (Xone 96 USB n) + Output A - B (Xone 96 USB n)**
- Expand *Sound, Video and Game Controllers* and *XONE 96 Audio Devices* to display: **Xone 96 USB n**





# DUAL INTERNAL SOUND CARD SPECIFICATIONS, USB 1 - USB 2

## Digital Architecture (USB) Specification

Hi-Speed USB2.0 [USB B] | macOS Class Compliant | PC ASIO compatible [see p.2]

Analogue/Digital Line-up

0dBu = -14dBFS

Audio Channels:

2 x 24 Channel | 12 in / 12 out [6 x Stereo pairs]

USB Audio Inputs [USB 1 and USB 2]:

2 x 6: [CH 1- 4 | SEND1 | MST/SEND2]

USB Audio Outputs [USB 1 or USB 2]:

2 x 6: USB1 / USB2 [CH 1- 4 | CH A - D]

Supported Variable Buffer Sizes:

32 / 64 / 128 / 256 / 512 / 1024 / 2048 / 4096 / 8192 samples

Supported Sample Rates:

44.1 kHz / 48kHz / 88.2kHz / 96kHz

Supported Bit depth:

16 bit / 32 bit

USB MIDI Channels:

2 x MIDI IN / 2 x MIDI OUT [USB 1 and USB 2]

XONE:96 soundcard channels are arranged in stereo pairs and will be displayed in your chosen Digital DJ, or DAW, software as follows:

USB AUDIO ROUTING		
Mixer Channel outputs <i>to</i> Computer [USB1 and USB2]		
Soundcard Input	XONE:96 Outputs	DAW Input
USB 1 / USB 2_1	CH1 L (RIAA or LINE)	Ch 1 L
USB 1 / USB 2_2	CH1 R (RIAA or LINE)	Ch 1 R
USB 1 / USB 2_3	CH2 L (RIAA or LINE)	Ch 2 L
USB 1 / USB 2_4	CH2 R (RIAA or LINE)	Ch 2 R
USB 1 / USB 2_5	CH3 L (RIAA or LINE)	Ch 3 L
USB 1 / USB 2_6	CH3 R (RIAA or LINE)	Ch 3 R
USB 1 / USB 2_7	CH4 L (RIAA or LINE)	Ch 4 L
USB 1 / USB 2_8	CH4 R (RIAA or LINE)	Ch 4 R
USB 1 / USB 2_9	SEND 1 L (PRE or POST)	Send 1 L
USB 1 / USB 2_10	SEND 1 R (PRE or POST)	Send 1 R
USB 1 / USB 2_11	SEND 2 L or MST L	Send 2 L / MST L
USB 1 / USB 2_12	SEND 2 R or MST R	Send 2 R / MST R
Mixer Channel inputs <i>from</i> Computer [USB1 or USB2]		
Soundcard Output	XONE:96 Inputs	DAW Output
USB 1 / USB 2_1	CH 1 USB 1 or USB 2_L	Ch 1 L
USB 1 / USB 2_2	CH 1 USB 1 or USB 2_R	Ch 1 R
USB 1 / USB 2_3	CH 2 USB 1 or USB 2_L	Ch 2 L
USB 1 / USB 2_4	CH 2 USB 1 or USB 2_R	Ch 2 R
USB 1 / USB 2_5	CH 3 USB 1 or USB 2_L	Ch 3 L
USB 1 / USB 2_6	CH 3 USB 1 or USB 2_R	Ch 3 R
USB 1 / USB 2_7	CH 4 USB 1 or USB 2_L	Ch 4 L
USB 1 / USB 2_8	CH 4 USB 1 or USB 2_R	Ch 4 R
USB 1 / USB 2_9	CHA USB 1 or USB 2_L	Ch A L
USB 1 / USB 2_10	CHA USB 1 or USB 2_R	Ch A R
USB 1 / USB 2_11	CHB USB 1 or USB 2_L	Ch B L
USB 1 / USB 2_12	CHB USB 1 or USB 2_R	Ch B R

XONE:96 is also fully **Traktor Scratch Certified** so the internal soundcards brings support for DVS control of Native Instruments' flagship [TRAKTOR PRO 3](#) DJ software straight out of the box.

For more details on configuring the XONE:96 for use with timecode and Traktor, please refer to p.30 of the XONE:96 User Guide (AP11645): [www.allen-heath.com/xone96/](http://www.allen-heath.com/xone96/)



# DEVICE SOFTWARE CHANGELOGS

Xone Product **Xone:96**  
Device Driver (PC) **X96\_v4670.zip** [X96\_v4670.exe]

Operating System:	Compatible	Support Active
Windows® 11	✓	✓ Updated 12/2021
Windows® 10	✓	✓
Windows® 8.1	✓	✗
Windows® 7	✓	✗

## Software changelogs:

Xone:96 Device Drivers. v4.6.70

- ✓ Windows®11 support is confirmed.
- ⓘ Updates full ASIO support for Microsoft Windows® PC.
- ⓘ Implements new options for WDM Audio operation with all five (stereo) channels now displayed and selectable for WDM supported applications.
- ⓘ Playback and Recording default is CH1; **Output 1 (Xone 96 USB n) / Input 1(Xone 96 USB n)**
- ⓘ To re-route USB audio via different soundcard channels for playback;
- 🔊 Go to: *Start > Settings > System > Sound. Output. Choose your output device*
- 🔊 Select the required channel for USB playback to the mixer:  
eg: For USB playback with applications supporting WDM audio only via Xone:96 CHA
- 🔊 Select: **Output A (Xone 96 USB n)**
- 🔊 Set the top panel **CH A** source select switch to the corresponding USB port (**USB 1** or **USB 2**)
- ⓘ To re-route USB audio via different soundcard channels for recording, VST-FX, etc;
- 🔊 Go to: *Start > Settings > System > Sound. Input. Choose your input device*
- 🔊 Select the required channel for USB output from the mixer:  
eg: For USB recording with applications supporting WDM audio only;
- 🔊 Select: **Aux 2 / Main (Xone 96 USB n)**
- 🔊 Set the top panel USB 11/12 switch UP to **MST**
- ! Direct support closed for legacy Microsoft Windows® Operating Systems
- 🔊 For more information, please visit: <https://support.microsoft.com/>
- ⓘ Minor bug fixes and improvements

## Known Issues:

- ⓘ XONE96-26: Clicks in Ableton Live **9** at high sample rates  
Audible interruptions in the audio stream, manifest as ‘clicks’, when running Ableton Live **9** at high sample rates (88.2 and 96KHz), with XONE:96 **ASIO Buffer Size** set to *Auto* and **USB Streaming Mode** set to *Reliable*.
- ⓘ This is a local DAW software application issue; resolved as follows:  
In the XONE:96 Control Panel > Buffer Settings, adjust the **ASIO Buffer Size** to a fixed sample rate, compatible with the capacity of your computer’s CPU.  
Where necessary, adjust or reset the **USB Streaming Mode** option.

If you experience any other problem when installing Xone:96 Device Software, please contact Allen&Heath Product Support <http://support.allen-heath.com>