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.

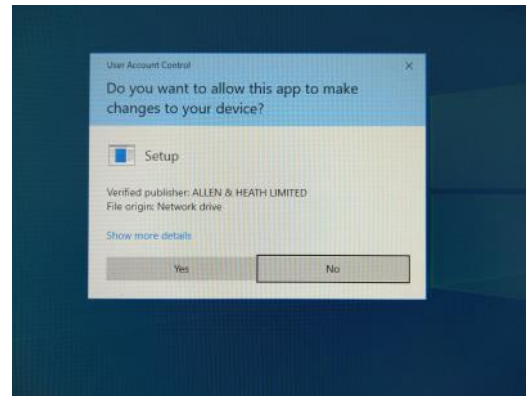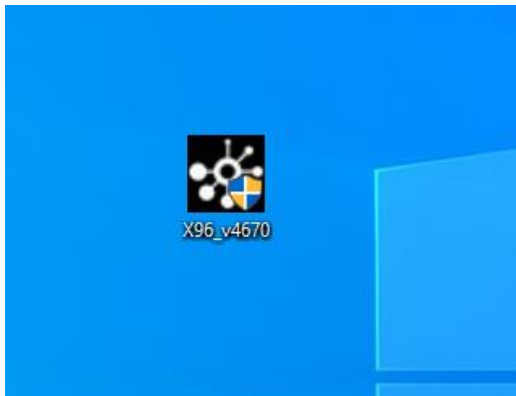## Installing XONE Device Software

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
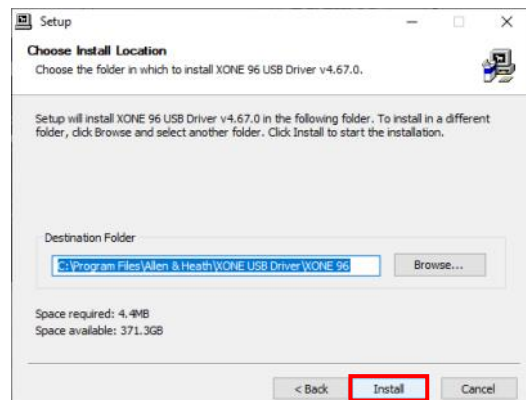
PLEASE FOLLOW INSTALL INSTRUCTIONS CAREFULLY

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.

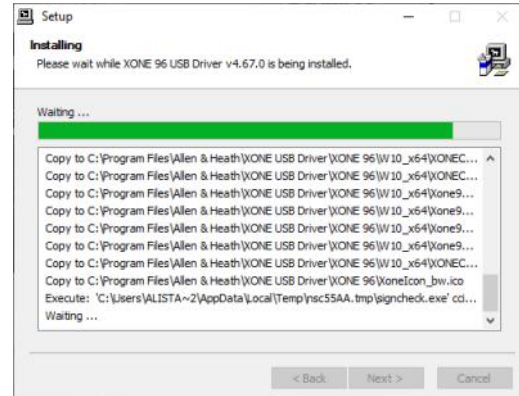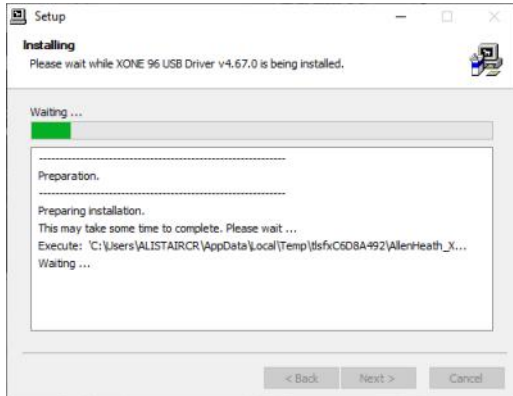- Double-click on the XONE:96 Driver Setup application, X96_v4670 to begin.

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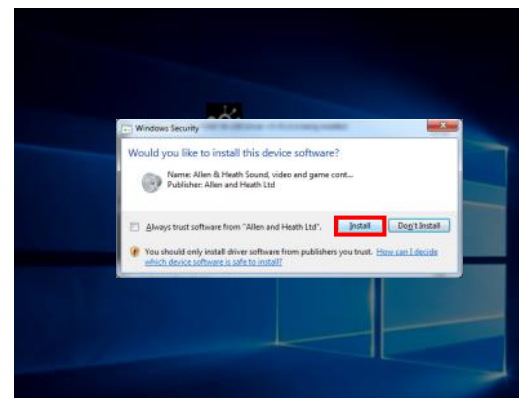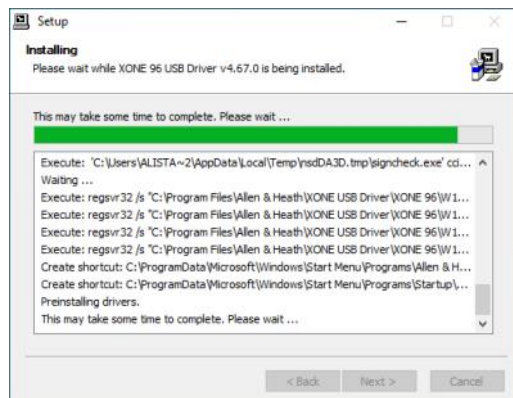- Click **Next** to run the installer application.

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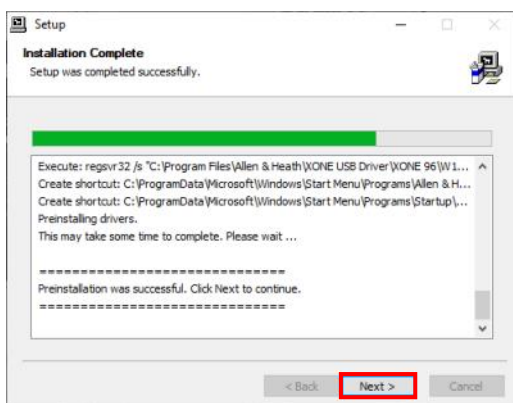 A series of messages will be displayed…

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

- Click **Install** If promoted 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.

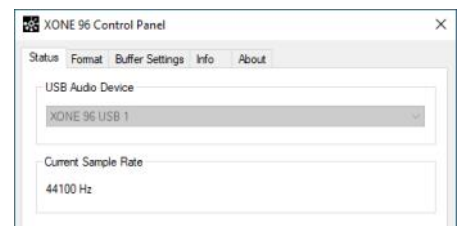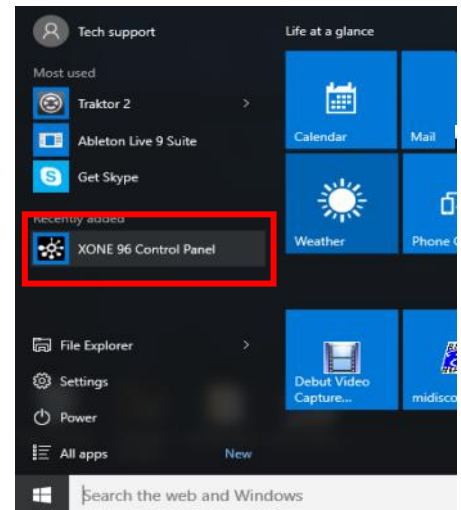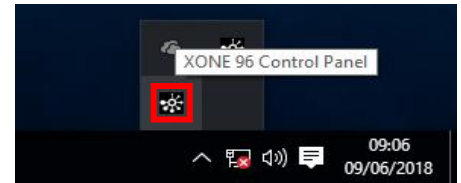## Confirming Driver Installation and Hardware Device connection

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.
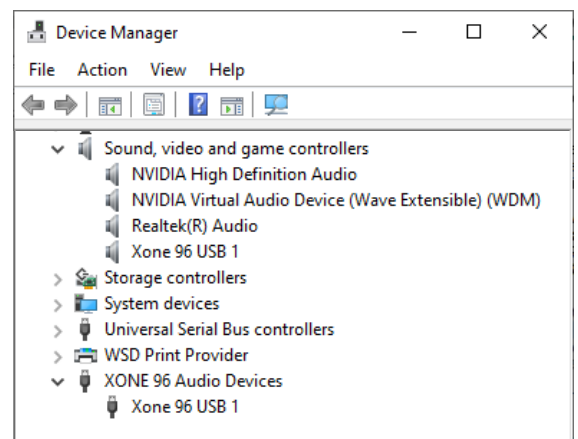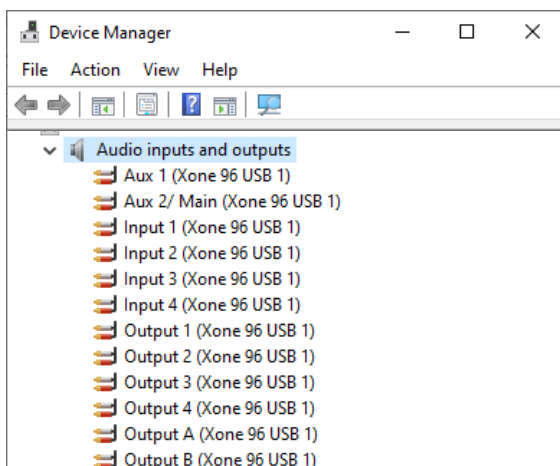
- Connect the XONE:96 to your PC via USB 1 or 2
  The corresponding USB 1/ 2 ACTIVE indictor illuminates BLUE
  when the mixer is powered ON.
- Click the *Show hidden icons* tab on the Taskbar
- Check XONE:96 Control Panel icon is displayed

- 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 SOUNDCARD 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 *to* 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 **from** 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/

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