📮 Andersama / obs-asio

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This article will describe how to take a mix output from an Allen & Heath QU series desk / unit to OBS on Windows using the obs-asio plugin.

On the Desk

- Tap the "Setup" soft key
- IO Patch
- Tap USB Audio
- Tap on any of the outputs. I chose the 2 in the bottom left as they are in a nice square.
- Use the rotary dial on the desk to select your mix output. I recommend one of the stereo outputs. I chose 7-8 because 5-6 are used for something else in my setup.



On the iPad app

- Tap IO Patch
- USB Audio
- Scroll over to the 2 mix outputs you want to use and under 17 & 18 or whichever outputs you want to use as output. I am using Mix 7-8.



Windows Setup

- Install the Qu Windows ASIOTM/WDM Driver
- Plug in the desk using USB B
- Select your QU desk from the A&H Software (If not already selected)

& Qu USB Control Panel	×
Status Buffer Settings Info About	
USB Audio Device	
QU-32 Audio 🗸	
Current Sample Rate 48000 Hz	

• You can change the bitrate if you need to

& Qu USB Control Panel	×	
Status Buffer Settings Info About		
Preferred ASIO Buffer Size		
512 samples	\sim	
☑ Safe Mode		
ASIO Status		
Current Sample Rate: 48000 Hz		
Input Latency: 728 samples (15.17 ms)		
Output Latency: 600 samples (12.50 ms)		
ASIO active (PCM mode)		
		1

- Install the plugin from this repo See separate instructions
- Open OBS
- Right click on sources in OBS
- Select Add > ASIO Input capture

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Qu32 Mix 7-8 25.0 dB Duration 300 m	S
Video Capture Device 2 0.0 dB	
$+ - \dot{\sigma} \wedge \vee$	

• Select "Create New" and give it a name. I called mine "Qu32 Mix 7-8"

S Create/Select Source		×
O Create new		
Mix 7-8		
Add Existing		
Qu32 Mix 7-8		
✓ Make source visible		
	OK	Cancel
6	Audio Mixer	÷

- Select "QU Asio Driver"
- Format Stereo (Although you can do 7.1 Surround Sound if you want)
- Choose Channel 17 & 18 (Or whatever you chose)

Properties for 'N	Ліх 7-8'	×
Device 🕐	Qu ASIO Driver	
Format	Stereo	
OBS Channel 1 🕐	Mute	0
OBS Channel 2	Mute Channel 1 In Channel 2 In Channel 3 In Channel 4 In Channel 5 In Channel 6 In Channel 7 In Channel 8 In Channel 9 In Channel 10 In Channel 11 In Channel 12 In Channel 13 In Channel 13 In Channel 14 In Channel 15 In Channel 16 In Channel 17 In Channel 20 In Channel 20 In Channel 21 In Channel 22 In Channel 23 In Channel 24 In Channel 25 In Channel 26 In Channel 27 In Channel 27 In Channel 28 In Channel 29 In Channel 20 In	
	Channel 32 In	
Defaults	OK Can	cel

Click OK

If you want 7.1 surround sound

Properties for 'M	1ix 7-8'	×
^		
Device 🕐	Qu ASIO Driver	
Format	7.1	
OBS Channel 1 🕐	Channel 1 In	
OBS Channel 2 🕐	Channel 2 In	
OBS Channel 3 🕐	Channel 3 In	
OBS Channel 4 🕐	Channel 4 In	
OBS Channel 5 🕐	Channel 5 In	
OBS Channel 6 🕐	Channel 7 In	
OBS Channel 7 🕐	Channel 8 In	
OBS Channel 8 🕐	Channel 9 In	
	Control Panel	
	CREDITS	
Defaults	OK	Cancel

Advanced Audio Properties

Input volume

The input volume was too low for me so I bumped it up to +25db.

- Click on the cog icon
- Choose "Advanced Audio Properties"

Sync offset

• I had to set the sync offset to 250ms because there's a delay between my network camera and OBS. You probably won't need to do anything like this but it's an option.

Listen to what you're recording

• If you want to be able to listen to what you're recording, you can Select "Monitor & Output" under "Audio Monitoring" and plug in some headphones. Be careful though

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because if you're outputting to channels on the desk you'll experience digital feedback.



Other info / setup options

You can record each input from the desk as separate mix inputs if you want

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Capturing mixes
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