Quick Start Guide

4K@60Hz HDMI Grabber G1 PRO

www.wavlink.com/en_us/WL-HG900U-B
Scan the QR code or load the link for
Quick Start Guide downloading

WL-HG900U

WAVLINK (@WavlinkOfficial)
WAVLINK SUPPORT (@WavlinkTechSupport)

Safety Instructions

Always read the safety instructions carefully.
Keep this Quick Start Guide for future reference.
Keep this equipment away from humidity.
If any of the following situation arises, get the equipment checked by a service technician:

- The equipment has been exposed to moisture.
- The equipment has been dropped and damaged.
- The equipment has obvious sign of breakage.
- The equipment has not been working well or you cannot get it work according to Quick Start Guide.

Copyright Statement

No part of this publication may be reproduced in any form by any means without the prior written permission. Other trademarks or brand names mentioned herein are trademarks or registered trademarks of their respective companies.

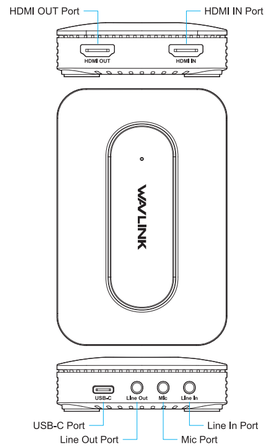
Disclaimer

Information in this document is subject to change without notice. The manufacturer does not make any representations or warranties (implied or otherwise) regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any commercial damage, including but not limited to special, incidental, consequential, or other damage.

WEEE Directive & Product Disposal

At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Overview



Note:
Laptop can supply 5V/2A power for the Video Capture Card via the USB-C Port.

In the Box

1x 4K@60Hz HDMI Grabber G1 PRO
1x HDMI Cable
1x USB-A to USB-C Cable
1x USB-A to USB-C Converter
1x Quick Start Guide

System Requirement

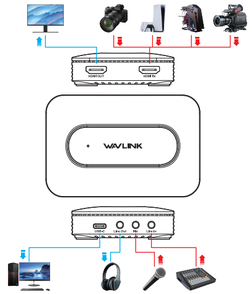
-CPU:Intel Core i5 or higher
-RAM:8G or higher
-Windows 7/8/10/11or later
-Mac OS 10.12 or later
-Android 9 or later
-Linux

Features

-Support Max 4K@60Hz Video Input with 1 x HDMI 2.0 IN Port.
-Support Video Passthrough with 1 x HDMI 2.0 OUT Port.
-Support Max 4K@30Hz Capture.
-Support third-party softwares like OBS to capture and stream your videos from various input soruce like game console, camera and so on.
-Support USB-C 3.0 port for UVC/UAC and compatible with USB 2.0 Interface.
-Support UVC Output Format : YUY2/NV12.
-Support 3.5mm Line In and 3.5mm MIC for External Audio Input.
-Support 3.5mm Line Out for External Audio Ouput.
-Compatible with Multiple Operating Systems such as Mac OS, Windows, Linux, Android and so on.
-Supports UVC1.0 / 1.1 / 1.5, UAC 1.0.
-Supports HDR10 to SDR conversion.

Hardware Connection

Step 1: Connect the video source device to the HDMI IN port via the HDMI cable.
Step 2: Connect your laptop to the USB-C port via USB-C cable.
Step 3: Connect the monitor to the HDMI OUT port.

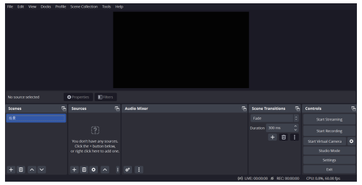


OBS Installation and Configuration

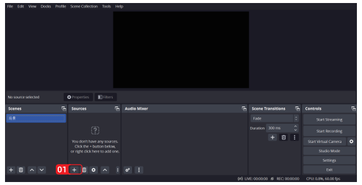
Before setting, please connect your devices to this Video Capture Card following the Hardware Connection and then download the software from https://obsproject.com firstly, keep pressing Next to complete the OBS installation.
You can change the software language in Settings->General from the bottom right list in the screen.

OBS Setup
Before recording video, please ensure all the audio source has been disabled.

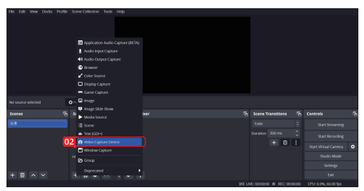
Step 1: Click OBS software icon on the desktop to enter operation interface, and add the source of video and audio in the Sources window.

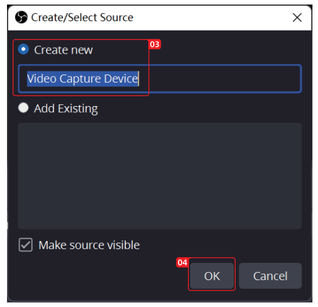


Step 2: Click"+" to add video source in the Source window and choose Video Capture Device, you should tick Create new and the default is Video Capture Device, then click OK.

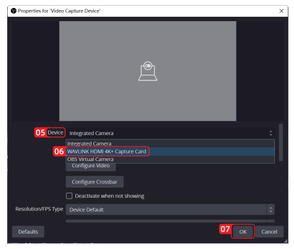


正面

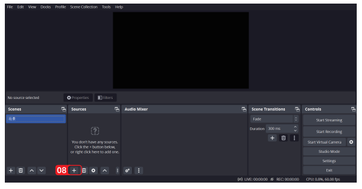


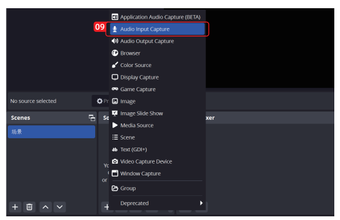


Step 3: Please select WAVLINK HDMI 4K Capture Card in Device, then click OK to save the setting.

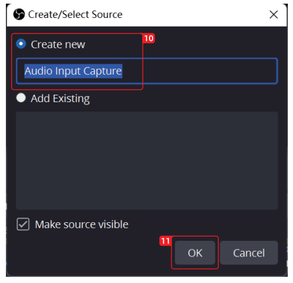


Step 4: Click"+" to add audio source, and you should select Audio Input Capture from the list.

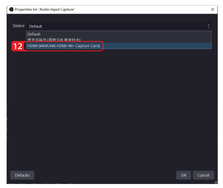




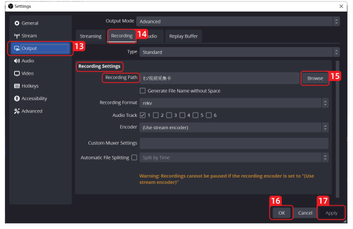
Step 5: You should tick Create new and select Audio Input Capture, then click OK.



Step 6: Please select HDMI(WAVLINK HDMI 4K Capture Card) in Device, then click OK to save the setting.



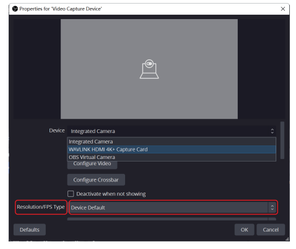
Step 7: If you have need to modify the storage path of the recording video, click Output in Settings, then select Recording, and click Browse in Recording Path to change the recording path for your file, finally click OK and Apply to save the settings.



FAQ

Q1: Does this Video Capture Card need to install a driver?
A1: This Video Capture Card has no need for external driver, so there is no need to install the driver.

Q2: Why do I choose 4K resolution in the OBS software, but it shows Not support?
A2: Please ensure whether your HDMI output devices is 4K resolution, if not, you may need to change the resolution setting from Default to Custom in Resolution/FPS Type, and adjust the resolution to 1920*1080.



Q3: Why I cannot choose higher resolution such as 1080P or 4K? Why does the Video Capture Card just support up to 1280*720 resolution?
A3: Please ensure you have connected the Video Capture Card to the USB 3.0 port of your laptop/tablet. If the Video Capture Card has been connected to an desktop computer, please ensure this Video Capture Card has connected to the USB 3.0 port on the back of desktop's case.

Q4: Why is the maximum frame is 60Hz?
A4: The maximum frame that OBS software supports is 60Hz.

Q5: Does this Video Capture Card support Thunderbolt 3 or USB-C interface of MacBook ?
A5: We recommend you to use Thunderbolt 3 docking station if it is necessary, and we recommend you to use double-ended USB-C cable if you use USB-C docking station.

Q6: Why can't Android Phones and Tablets be recognized when they are used as video sources?
A6: Please ensure your Android Phone and Tablet support USB OTG function.

Q7: Why can't the video be displayed when using an Android Phone or Tablet as a video source?
A7: Please ensure your Android Phone and Tablet support USB DP Alt Mode.

Thank you for purchasing WAVLINK product!

Official website: www.wavlink.com
Technical support: support@wavlink.com

反面

名称：HG900U-B说明书WAVLINK-E1	
成品尺寸：85x125 mm	展开尺寸：510x125 mm
材质工艺：105g铜版纸+四色印刷，正反印，风琴折	
制作时间：2023.10.18	制图：冯景祥
修改记录：	