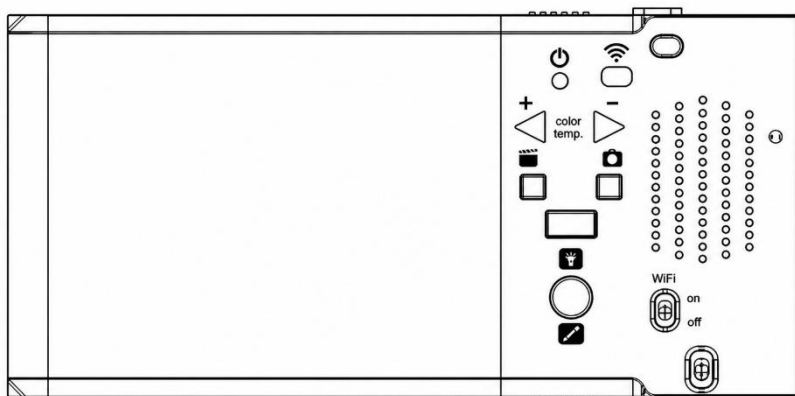
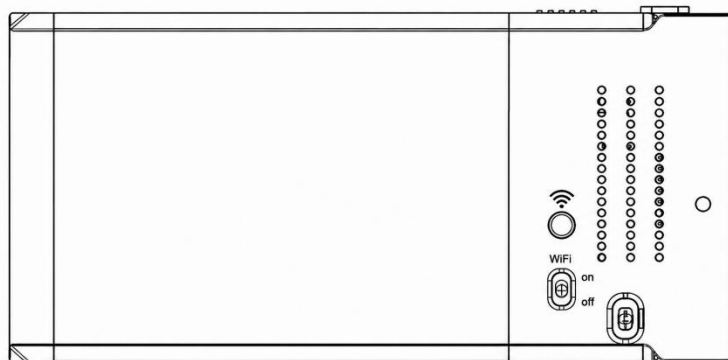




arLoupe wireless video Transceiver

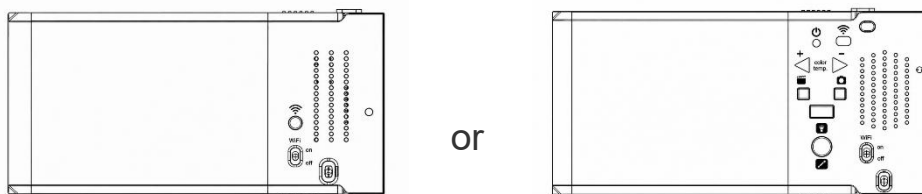


Product Introduction

The arLoupe Wireless Video Transceiver is a wireless video transmission system designed specifically for the arLoupe G series products. It features an HDMI input interface, supports FHD high-definition video transmission, and boasts low latency, significantly improving on-site workflow and teaching efficiency.

Packaging contents

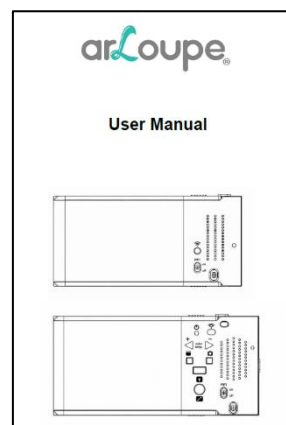
The package contains all of the following items:



BP160 + WDW01 (for GW) or WDL01 (for GL) transmitter

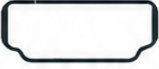
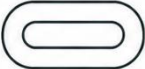


WDR01 Receiver



User Manual

Labeling instructions

 HDMI	HDMI input port	 PWR OUT	TYPE-C input port
	Signal Sending Key	 PWR IN	Charging port
	Central pairing button		Flip screen (short press) Pair and rematch (long press)

Features

High-definition video transmission

The arLoupe wireless video transmitter system inputs/outputs H.264, FHD, 60fps format via an HDMI interface. It delivers clear and sharp video quality suitable for monitoring and live streaming.

Low-latency transmission

A stable transmission range of 50 meters in unobstructed environments. It achieves a low latency of less than 0.1 seconds for 1080P, ensuring real-time monitoring.

HDMI 1.4 video output

The receiver's HDMI video output port provides a video signal to your display device. The receiver's built-in USB power port provides convenient power for operation.

Installation Guide

Power the equipment

The transmitter uses a BP160 battery: Connect a fully charged BP160 battery to the transmitter WDW01 or WDL01.

The receiver uses a USB DC input: Connect the receiver to the USB port on the TV screen or to a USB power source.

Connect the camera and monitor

Transmitter (WDW01):

Switch the WIFI switch to " on " , then connect the arLoupe 's HDMI output to the HDMI input port  of the GW transmitter WDW01.

Transmitter (WDL01):

the WIFI switch to " on " , then connect the arLoupe 's TYPE-C output to the TYPE-C input port  of the GL transmitter WDL01.

Receiver (WDR01):

Connect the HDMI output of the WDR01 receiver to the HDMI input port of the monitor.

Please ensure that the input/output resolution is compatible with your monitor.

Operating Instructions

Basic Operations

Once the transmitter is powered on and connected, it will automatically detect the input video signal.

The transmitter can be set to enable or disable the wireless transmission function .

Troubleshooting and Repairing

1. Receiver (WDR01):

After reinstallation and power-on. Press and hold the center pairing button  for about 5 seconds.

2. Transmitter (WDW01/WDL01):

After reinstallation and power-on. The transmitter automatically detect the input video signal, a flashing LED indicator confirms pairing is underway. If the LED indicator does not light up, it means the transmitter has not detected the input signal. In this case, please press and hold the signal send button  on the device for about 5 seconds to manually activate the signal detection function.

Frequently Asked Questions

No signal on receiver/monitor

Possible reasons	Solution
• The cable connection is incorrect. • Resolution incompatible. • The transmitter/receiver is not powered on. • The signal is weak due to distance or obstacles.	• View all HDMI/SDI cable connections. • Ensure that the output resolution is compatible with the display input resolution. • Please ensure that both devices are connected to the battery and have sufficient power. • Shorten the transmission/reception distance or maintain unobstructed line of sight.

Specifications

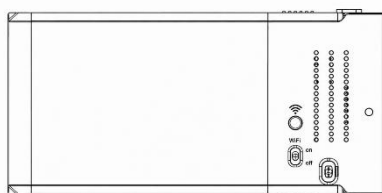
- **Video input:** HDMI (up to FHD 60fps)
- **Video output:** HDMI 1.4 (up to FHD 60fps)
- **Wireless Standard:** WiFi 4 (IEEE 802.11n)
- **USB standard:** Theoretical transfer speed of USB2.0 is 72 Mbps
- **Latency:** < 0.1s (Typical)
- **Frequency:** 5.1GHz / 5.2GHz
- **Transmission range:** 50m (In an open area)
- **Encoding method:** H.264
- **Output :** 5V/ 0.5A

产品简介

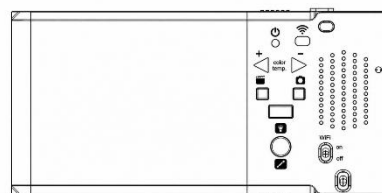
arLoupe wireless video transceiver 是一款专为 arLoupe G 系列产品设计的无线视讯传输系统。它配备 HDMI 输入接口，支持 FHD 高清视讯传输，并具有低延迟，可显著提升现场工作流程及教学效率。

包装内容

包裹包含以下所有物品：



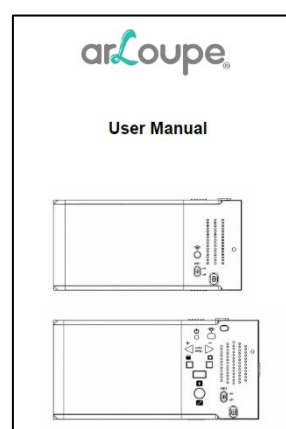
or



BP160 + WDW01 (GW 用) 或 WDL01 (GL 用) 发射器

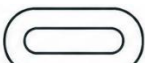


WDR01 接收器



使用手册

标示/按键说明

 HDMI	HDMI 输入埠	 PWR OUT	TYPE-C 输入埠
	讯号发送键	 PWR IN	充电埠
	中央配对按键		画面翻转(短按) 配对重制(长按)

产品特点

高清视讯传输

arLoupe wireless video transmitter 系统透过 HDMI 接口输入/输入 H.264, FHD, 60fps 的格式。它可提供清晰锐利的视讯质量, 适用于监看和直播。

低延迟传输

该系统在视线无遮蔽的环境下可提供高达 50 公尺的稳定传输范围。它实现了 1080P 低于 0.1 秒的低延迟, 确保实时监控。

HDMI1.4 视讯输出

接收器的 HDMI 视讯输出端口, 可为您的显示设备提供视频信号。接收器本身的 USB 电源接口方便提供接收器操作电力。

安装指南

为设备供电

发射器使用 BP160 电池：将已充满电的 BP160 电池连接发射器 WDW01 或 WDL01。

接收器使用 USB 直流输入：将接收器连接到 TV 屏幕的 USB 接口，或是 USB 供电。

连接摄影机和显示器

发射器 (WDW01)：

将 WIFI 开关杆切换至“on”，再将 arLoupe 的 HDMI 输出连接到 GW 发射器 WDW01 的 HDMI 输入埠 。

发射器 (WDL01)：

将 WIFI 开关杆切换至“on”，再将 arLoupe 的 TYPE-C 输出连接到 GL 发射器 WDL01 的 TYPE-C 输入埠 。

接收器 (WDR01)：

将 WDR01 接收器的 HDMI 输出端连接至显示器的 HDMI 输入埠。

请确保输入/输出分辨率与显示器兼容。

操作说明

基本操作

发射器通电并连接后，会自动侦测输入的视频信号。

发射器端可选择启动或关闭无线传输功能。

故障排除与重新配对

1. 接收器 (WDR01) :

重新安装并完成供电后，长按中央配对按键  5 秒，以重新进行配对。

2. 发射器 (WDW01/ WDL01) :

重新安装并完成供电后，发射器将自动侦测输入的视频信号，LED 指示灯将闪烁，表示正在进行配对。若 LED 指示灯未亮起，表示发射器尚未侦测到输入讯号。此时请长按装置上讯号发送键  5 秒，以手动启动讯号侦测功能。

常见问题

接收器/显示器上没有讯号

可能的原因	解决方案
电缆连接错误。 分辨率不兼容。 发射器/接收器未通电。 由于距离或障碍导致物讯号微弱。	查看所有 HDMI/SDI 线路连接。 确保输出分辨率与显示器输入分辨率兼容。 请确认两端设备均已连接电池且电量充足。 缩短发射/接收距离或保持视线畅通。

规格

- **视讯输入:** HDMI（最高 FHD 60fps）
- **视讯输出:** HDMI 1.4（最高 FHD 60fps）
- **无线标准:** WiFi 4（IEEE 802.11n）
- **USB 规格:** USB 2.0 标准，传输速度 72 Mbps（理论最大值）
- **延迟:** < 0.1s
- **频段:** 5.1GHz / 5.2GHz
- **传输范围:** 50m（无屏障空间）
- **编码方式:** H.264
- **电源输入:** 5V/0.5A