



**ALFATRON ALF-SMW42SD**  
**USB C and HDMI Dongle**

**ALFATRON ELECTRONICS GmbH GERMANY**

**User Manual**





#### FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation and after change.

#### **Radiation Exposure**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

"Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et  
 (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

### Radiation Exposure:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment.

Déclaration d'exposition aux radiations: Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé.

All RF frequencies are not restricted in EU member states.



Do not dispose of this product with the normal household waste at the end of its life cycle. Return it to a collection point for the recycling of electrical and electronic devices. This is indicated by the symbol on the product, user manual or packaging

The materials are reusable according to their markings. By reusing, recycling or other forms of utilization of old devices you make an important contribution to the protection of our environment.

Please contact your local authorities for details about collection points.

## Introduction

ALF-SMW42SD Dongle Transmitter is designed to work with the Alfatron ALF-SMW42S receiver (BYOD wireless presentation switcher). It can transmit the video source from a desktop computer, laptop, mobile phone or other equipment to the receiver for wireless projection.

It is a 2-in-1 dongle with both USB-C and HDMI connectors.

## Overview

## Specification

<b>2-in-1 Transmitter</b>	
Installation	No Installation, No Configuration
Connector	HDMI and USB-C
System	Support Windows 7/8/10, Apple Mac
Resolution	720P~1080P
Frame	Max support 1080P 60frames
Delay	90~180ms
Display Mode	Support Extended screen

Touch back	Support 10 points touch-back (Windows 7/8/10)
Connections Number	Up to 4
Transmitting frequency	Transmitter 300Mbps
Wireless transmission protocol	IEEE 802.11 a/g/n/ac
Frequency	5.8G
Encryption	AES
Protocol	WPA2-PSK
Size (package)	208x108x32mm;
Weight (package)	250g

## Main features

1. Appearance design: round Outside and ellipse inside  
USB-C and HDMI 2 in 1 dongle, supports all devices projection with USB-C port or an HDMI port.
2. Booting time is around 10s
3. Max resolution support up to 1080p 60fps
4. Support touch back
5. Support extended screen mode for all PC

## Transmitter User Guide

### Dongle Pairing

Each Dongle is required to be paired with the Alfatron ALF-SMW42S Wireless Presentation Switchers (WPS) in the following cases:

- 1: for first time use, pair with WPS;
- 2: when the WPS has been reset;
- 3: when the hotspot and password have been changed.

Step 1: Connect the dongle with a USB cable, plug the USB connector into the front USB port of ALF-SMW42S for automatic pairing.

Step 2: The following OSD information will be displayed on screen when pairing:

Dongle Plugged-----Ready to pair----Start Pairing----Pairing Succeeded.

Wait until the pairing is completed.

Step 3: Unplug the USB connector.

### **Dongle Casting by USB-C**

Step 1: Plug the USB-C connector into PC.

Step 2: The led will flash blue during while connecting.

Step 3: Wait until the LED light is solid, then press the button to casting.

Step 4: Unplug the dongle from PC after casting, and wait for 3 seconds.

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### **Dongle Casting by USB-C**

Step 1: Plug the USB-C connector into PC.

Step 2: The led will flash blue during while connecting.

Step 3: Wait until the LED light is solid, then press the button to casting.

Step 4: Unplug the dongle from PC after casting, wait for 3 seconds before trying to plug it into a PC again.

### **Dongle Casting by HDMI**

Step 1: Remove the USB-C connector to use the HDMI connector.

Step 2: Plug the HDMI connector into PC.

Step 3: The led will start flashing blue while connecting.

Step 4: Wait until the LED light is solid, then press the button to casting.

## **Warranty**

### **1. Limited warranty in respect of Alfatron Products**

1.1 This limited warranty covers defects in materials and workmanship in this product.

1.2 Should warranty service be required, proof of purchase must be presented to the Company. The serial number on the product must be clearly visible and not have been tampered with in any way whatsoever.

1.3 This limited warranty does not cover any damage, deterioration or malfunction resulting from any alteration, modification, improper or un reasonable use or maintenance, misuse, abuse, accident, neglect, exposure to excess moisture, fire, improper packing and shipping (such claims must be presented to the carrier), lightning, power surges, or other acts of nature.

This limited warranty does not cover any damage, deterioration or malfunction resulting from the installation or removal of this product from any installation, any unauthorized tampering with this product, any repairs attempted by anyone unauthorized by the Company to make such repairs, or any other cause which does not relate directly to a defect in materials and/or workmanship of this product. This limited warranty does not cover equipment enclosures, cables or accessories used in conjunction with this product.

This limited warranty does not cover the cost of normal maintenance. Failure of the product due to insufficient or improper maintenance is not covered.

1.4 The Company does not warrant that the product covered hereby, including, without limitation, the technology and/or integrated circuit(s) included in the product, will not become obsolete or that such items are or will remain compatible with any other product or technology with which the product may be used.

1.5 Only the original purchaser of this product is covered under this limited warranty. This limited warranty is not transferable to subsequent purchasers or owners of this product.

1.6 Unless otherwise specified, the goods are warranted in accordance with the manufacturer's product specific warranties against any defect attributable to faulty workmanship or materials, fair wear and tear being excluded.

1.7 This limited warranty only covers the cost of faulty goods and does not include the cost of labour and travel to return the goods to the Company's premises.

1.8 In the event of any improper maintenance, repair or service being carried out by any third persons during the warranty period without the Company's written authorization, the limited warranty shall be void.

1.9 A 7 (seven) year limited warranty is given on the aforesaid product where used correctly according to the Company's instructions, and only with the use of the Company's components.

1.10 The Company will, at its sole option, provide one of the following three remedies to whatever extent it shall deem necessary to satisfy a proper claim under this limited warranty:

1.10.1 Elect to repair or facilitate the repair of any defective parts within a reasonable period of time, free of any charge for the necessary parts and labour to complete the repair and restore this product to its proper operating condition.; or

1.10.2 Replace this product with a direct replacement or with a similar product deemed by the Company to perform substantially the same function as the original product; or

1.10.3 Issue a refund of the original purchase price less depreciation to be determined based on the age of the product at the time remedy is sought under this limited warranty.

1.11 The Company is not obligated to provide the Customer with a substitute unit during the limited warranty period or at any time thereafter.

1.12 If this product is returned to the Company this product must be insured during shipment, with the insurance and shipping charges prepaid by the Customer. If this product is returned uninsured, the Customer assumes all risks of loss or damage during shipment. The Company will not be responsible for any costs related to the removal or re-installation of this product from or into any installation. The Company will not be responsible for any costs related to any setting up this product, any adjustment of user controls or any programming required for a specific installation of this product.

1.13 Please be aware that the Company's products and components have not been tested with competitor's products and therefore the Company cannot warrant products and/or components used in conjunction with competitor's products.

1.14 The appropriateness of the goods for the purpose intended is only warranted to the extent that the goods are used in accordance with the Company's installation, classification and usage instructions.

1.15 Any claim by the Customer which is based on any defect in the quality or condition of the goods or their failure to correspond with specification shall be notified in writing to the Company within 7 days of deliver or (where the defect or failure was not apparent on reasonable inspection by the Customer) within a reasonable time after discovery of the defect or failure, but, in any event, within 6 months of delivery.

1.16 If delivery is not refused, and the Customer does not notify the Company accordingly, the Customer may not reject the goods and the Company shall have no liability and the Customer shall pay the price as if the goods had been delivered in accordance with the Agreement.

**1.17 THE MAXIMUM LIABILITY OF THE COMPANY UNDER THIS LIMITED WARRANTY SHALL NOT EXCEED THE ACTUAL PURCHASE PRICE PAID FOR THE PRODUCT.**