

**KEYENCE
WM-WL
WLAN Unit**



KEYENCE WM-WL WLAN Unit Instruction Manual

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KEYENCE

KEYENCE WM-WL WLAN Unit



Specifications

- **Model:** WM-WL
- **Compatibility:** WM-6000 Series
- **Regulatory Compliance:** CE, UKCA, FCC
- **Wireless LAN Standards:** EN301 489-1, EN301 489-17, EN300 328

Introduction

This equipment can be used with WM-6000 Series only. Read this instruction manual before using the product in order to achieve maximum performance. After reading it, keep the manual always at hand for future reference.

Product Usage Instructions

1. Ensure the equipment is compatible with the WM-6000 Series before use.
2. Read the instruction manual carefully for maximum performance and safety.
3. Keep the manual accessible for future reference.
4. Follow all regulatory compliance and wireless LAN precautions mentioned in the manual.
5. For CE and UKCA markings information, refer to the provided internet address.
6. Comply with FCC regulations to avoid interference and ensure proper operation.

Symbols

The following symbols alert you to important messages. Be sure to read these messages carefully.

- **DANGER:** Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
- **WARNING:** Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
- **CAUTION:** Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
- **NOTICE:** Indicates a situation which, if not avoided, could result in product damage as well as property damage.

- **Important:** Indicates cautions and limitations that must be followed during operation.
- **Point:** Indicates additional information on proper operation.

Reference: Indicates tips for better understanding or useful information.

- It is prohibited to use or copy all or any part of this manual without prior approval.
- The information contained in this manual is subject to change without notice.

Precautions on regulations and authentication

Precautions regarding wireless LAN

Remove the main battery of the WM series near electrical medical devices or places in medical institutions where the use of wireless devices is prohibited. Carry and use this device away from implantable cardiac pacemakers.

- As communication may not be possible depending on the operating environment, be sure to conduct a communication check prior to implementation.
- When the device is used near other devices operating at the same frequency band as the device e.g. wireless LAN devices, microwave ovens, industrial heating equipment, high frequency medical equipment etc., radiowave interference may occur, resulting in a drop in the communication speed or communication being disabled.
- When Bluetooth and wireless LAN are used simultaneously, radiowave interference may occur, resulting in a drop in the communication speed or communication to be cut off. If communication is impaired, stop the use of either Bluetooth or the wireless LAN.
- Communication may not be possible near metal objects, in places where there is a lot of metal powder, and in places surrounded by metal walls.

CE and UKCA Markings

KEYENCE Corporation has confirmed that this product complies with the essential requirements of the applicable EU Directive(s) and UK regulations, based on the following specifications. Be sure to consider the following specifications when using this product in the Member States of European Union and United Kingdom.

- RE Directive
- Applicable Standards (BS)EN61010-1
 - EN301 489-1
 - EN301 489-17
 - EN300 328
- The frequency band of operation: 2400 to 2483.5 and 5180-5825 MHz
- Maximum radio-frequency power: 8 dBm
- Overvoltage category I
- Use this product under pollution degree 2.
- Use this product at the altitude of 2000m or less.
- Indoor use only

CSA Certificate

This product complies with the following CSA and UL standards and has been certified by CSA.

- Applicable standard CAN/CSA C22.2 No.61010-1 UL61010-1

Be sure to consider the following specifications when using this product as a product certified by CSA.

- Overvoltage category I
- Use this product under pollution degree 2.
- Use this product at the altitude of 2000m or less.
- Indoor use only

FCC Regulations

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.

Hereby, Keyence declares that the radio equipment type WM-WL is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

www.keyence.com/cedoc

FCC Regulations

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.

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

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

ISED Regulations

This product complies with the following regulations specified by the ISED.

- Applicable regulation CAN IECS-003(A) NMB-003(A) RSS-247

This device contains licence-exempt transmitters/receivers that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

for indoor use only

Pour usage intérieur seulement This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the ISED radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

WARRANTIES AND DISCLAIMERS

1. KEYENCE warrants the Products to be free of defects in materials and workmanship for a period of one (1) year from the date of shipment. If any models or samples were shown to Buyer, such models or samples were used merely to illustrate the general type and quality of the Products and not to represent that the Products would necessarily conform to said models or samples. Any Products found to be defective must be shipped to KEYENCE with all shipping costs paid by Buyer or offered to KEYENCE for inspection and examination. Upon examination by KEYENCE, KEYENCE, at its sole option, will refund the purchase price of, or repair or replace at no charge any Products found to be defective. This warranty does not apply to any defects resulting from any action of Buyer, including but not limited to improper installation, improper interfacing, improper repair, unauthorized modification, misapplication and mishandling, such as exposure to excessive current, heat, coldness, moisture, vibration or outdoors air. Components which wear are not warranted.
2. KEYENCE is pleased to offer suggestions on the use of its various Products. They are only suggestions, and it is Buyer's responsibility to ascertain the fitness of the Products for Buyer's intended use. KEYENCE will not be responsible for any damages that may result from the use of the Products.
3. The Products and any samples ("Products/Samples") supplied to Buyer are not to be used internally in humans, for human transportation, as safety devices or fail-safe systems, unless their written specifications state otherwise. Should any Products/Samples be used in such a manner or misused in any way, KEYENCE assumes no responsibility, and additionally Buyer will indemnify KEYENCE and hold KEYENCE harmless from any liability or damage whatsoever arising out of any misuse of the Products Samples.
4. OTHER THAN AS STATED HEREIN, THE PRODUCTS/SAMPLES ARE PROVIDED WITH NO OTHER WARRANTIES WHATSOEVER. ALL EXPRESS, IMPLIED, AND STATUTORY WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT OF PROPRIETARY RIGHTS, ARE EXPRESSLY DISCLAIMED. IN NO EVENT SHALL KEYENCE AND ITS AFFILIATED ENTITIES BE LIABLE TO ANY PERSON OR ENTITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, PUNITIVE, SPECIAL OR CONSEQUENTIAL DAMAGES (INCLUDING, WITHOUT LIMITATION, ANY DAMAGES RESULTING FROM LOSS OF USE, BUSINESS INTERRUPTION, LOSS OF INFORMATION, LOSS OR INACCURACY OF DATA, LOSS OF PROFITS, LOSS OF SAVINGS, THE COST OF PROCUREMENT OF SUBSTITUTED GOODS, SERVICES OR TECHNOLOGIES, OR FOR ANY MATTER ARISING OUT OF OR IN CONNECTION WITH THE USE OR INABILITY TO USE THE PRODUCTS, EVEN IF KEYENCE OR ONE OF ITS AFFILIATED ENTITIES WAS ADVISED OF A POSSIBLE THIRD PARTY'S CLAIM FOR DAMAGES OR ANY OTHER CLAIM AGAINST BUYER. In some jurisdictions, some of the foregoing warranty disclaimers or damage limitations may not apply.

BUYER'S TRANSFER OBLIGATIONS:

if the Products/Samples purchased by Buyer are to be resold or delivered to a third party, Buyer must provide such

third party with a copy of this document, all specifications, manuals, catalogs, leaflets and written information provided to Buyer pertaining to the Products/Samples.

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FAQ

Q: What should I do if the equipment is not functioning properly?

A: Check the manual for troubleshooting steps or contact customer support for assistance.

Q: Can this WLAN unit be used with other series apart from WM-6000?

A: No, this equipment is specifically designed for use with the WM-6000 Series only.


Q: How can I ensure proper operation of the wireless LAN?

A: Follow the precautions outlined in the manual regarding wireless LAN usage.

Q: Is there a warranty provided for this product?

A: Refer to the warranties and disclaimers section in the manual for detailed information on warranties.

Documents / Resources

	<p>KEYENCE WM-WL WLAN Unit [pdf] Instruction Manual WM-WL WLAN Unit, WM-WL, WLAN Unit, Unit</p>
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References

- [K Declaration of Conformity for RE Directive | KEYENCE America](#)
- [User Manual](#)

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