

MIRKA BT, Wifi Module Instruction Manual

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General requirements

1.1 General

The BT/Wifi module with IC ID: 22379-BWM and FCC ID: 2AK2S-BWM (henceforth “the module”) is only to be installed in Mirka Ltd. manufactured tools. OEM use only. The module shall not be for sale to 3rd party.

1.2 Identification

Identification information for the BT/Wifi module: US related identifying information. FCC ID: 2AK2S-BWM Canada related identifying information.

IC ID: 22379-BWM

HVIN: 22379-BWM

PMN: 22379-BWM

1.3 Placement

The module may not be installed in such a way that it will be in close proximity to the body of the end user in normal use, note: “the body” in this context does not include outer extremities. I.e. close proximity to hands, wrists, and feet is permitted.

1.4 Technical installation

For instructions on the technical installation of the module, block schematics, pin allocations, etc. see the module manufacturers datasheet.

Integration Instructions

2.1 General

The module shall not be for sale to 3rd party, and shall only be approved for use by Mirka Ltd in its own products.

2.2 List of applicable FCC rules

15C (15.247)

2.3 Specific operational use conditions

2.3.1 Absolute Maximum Ratings

Stresses above those listed in Absolute Maximum Ratings may cause permanent damage to the device. These are stress ratings only and functional operation of the device at these or any other conditions beyond those indicated under Recommended Operating Conditions is not implied. Exposure to absolute-maximum-rated conditions for extended periods may affect device reliability.

Table 1: Absolute Maximum Ratings

Parameter	Min	Max	Unit
Power supply voltage	-0.3	3.6	V
Storage temperature	-40	85	°C

2.3.2 Recommended Operating Conditions

Table 2: Recommended Operating Conditions

Symbol	Parameter	Min	Typ	Max	Unit
VDD33	Power supply voltage	3.0	3.3	3.6	V
Iv DD	Current delivered by external power supply	0.5	–	–	A
T	Operating ambient temperature	– 40	–	85	°C

2.4 Limited module procedures

The module may not be installed in such a way that it will be in close proximity to the body of the end user in normal use, note: “the body” in this context does not include outer extremities. I.e. close proximity to hands, wrists, and feet is permitted. The module shall not be for sale to 3rd party, and shall only be approved for use by Mirka Ltd in its own products.

2.5 Trace antenna designs

N/A

2.6 RF exposure considerations

The module may not be installed in such a way that it will be in close proximity to the body of the end user in normal use, note: “the body” in this context does not include outer extremities. I.e. close proximity to hands, wrists, and feet is permitted.

2.7 Antennas

On-board PCB antenna.

2.8 Label and compliance information

N/A

2.9 Information on test modes and additional testing requirements

N/A

2.10 Additional testing, Part 15 Subpart B disclaimer

N/A

Legal

The following text is also to be included in the host device's user manual:

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.

Caution: changes or modifications not expressly approved by Mirka Ltd. 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 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 contains licence-exempt transmitter(s)/receiver(s) 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.



Oliver Engström
Compliance and Documentation Specialist
Power Tools, Mirka Ltd.

Mirka Ltd

FI-66850 JEPPÖ Finland

Tel: +358 (0)20 760 2111

e-mail: info@mirka.com

www.mirka.com


Business ID 0721789-4

VAT FI07217894

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Documents / Resources

 INSTRUCCIONES DE MONTAJE DEL MÓDULO BT O WIFI PARA EL 2AK2S-BWM 1. General 1.1 Descripción El módulo de comunicación por Bluetooth o Wifi permite conectar el equipo de pulido Mirka al ordenador para la programación de los programas de pulido. 1.2 Características - Comunicación por Bluetooth o Wifi. - Alimentación por cable USB. - Fácil instalación. 1.3 Contenido - Módulo de comunicación. - Cable USB. - Manual de instrucciones. 2. Instalación 2.1 Conexión al ordenador Conectar el módulo de comunicación al ordenador mediante el cable USB. 2.2 Conexión al equipo Conectar el módulo de comunicación al equipo de pulido mediante el cable de conexión. 3. Mantenimiento 3.1 Limpieza Limpiar el módulo de comunicación con un paño suave y seco. 4. Datos técnicos - Modelo: 2AK2S-BWM - Versión: 1.0 - Fecha: 2018 - Mirka S.L.	<p>MIRKA BT, Wifi Module [pdf] Instruction Manual</p> <p>2AK2S-BWM, 2AK2SBWM, BT Wifi Module, Module, BT Module, Wifi Module</p>
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References

-  [Abrasives, Sanding Tools & Polishing Compounds - Mirka - Mirka](#)