



This quick start guide is intended to provide a quick overview of the communication module, the devices it can be used with and the standards it complies with. For detailed information, please refer to the latest operating instructions of the corresponding devices that can be found at www.integra-biosciences.com in different languages.

⚠ Safety information

Regardless of the listed safety notes, all locally applicable regulations must be observed.

- 1) The communication module may only be installed in the devices specified by INTEGRA.
- 2) The communication module may not be inserted and removed more than 10 times. Otherwise, its functionality is no longer guaranteed.

Module specifications



The communication module with a built-in antenna supports a wireless data transmission via Bluetooth technology during liquid handling applications within INTEGRA- or 3rd party devices.

It operates within a 2.4 GHz band frequency and is a dual mode Bluetooth BR/EDR - BLE module enabling Bluetooth Low Energy and Classic open field connectivity of about 10 meters (line-of-sight) between devices.

The Bluetooth module's receiver sensitivity is rated at -95 dBm, which allows it to effectively capture weak signals, enhancing its performance in various environments.

The physical dimensions of the compact module are measuring 11.6 mm in width, 16.0 mm in length, and 2.2 mm in height.

Intended use

The firmware and hardware of the INTEGRA devices in which the communication module is to be installed, must be compatible with the firmware of the module. This applies to the following devices:

Device	Part number
MAG/HEATMAG	4900, 4901

The energy demand is slightly increased in wireless operation and the power supply is guaranteed via the INTEGRA host device. No stand-alone operation possible.

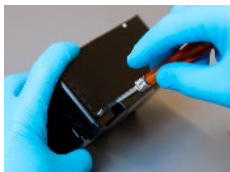
Operational requirements

The following environmental requirements must be observed for a safe operation and usage of the communication module:

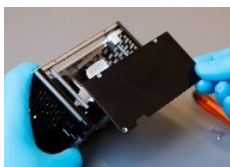
Temperature range during operation	5 to 40 °C
Temperature range during storage	-10 to 50 °C
Humidity range	Max. 80% RH at ≤31 °C; linear ≤50 % RH at 40 °C
Altitude	≤2000 m above sea level
Pollution level	2; acc. to IEC EN/UL 61010-1, i.e. only non-conductive pollution
Operation	for indoor use only

INTEGRA

Installation into INTEGRA MAG/HEATMAG module



1. Loosen the 4 screws on the back of the module with a screwdriver.



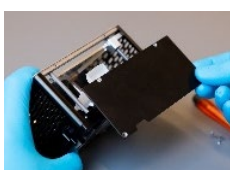
2. Remove the cover plate.



3. Insert the communication module (#4222) into the socket near the bottom of the device.



4. Position it carefully in the lowest position and press it to secure firmly.



5. Replace the cover plate and tighten the 4 screws.

Compliance markings for Korea



Company name: INTEGRA Biosciences AG

Equipment Name: Motor driven, adjustable magnet for magnetic bead separation

Model Name: MAG/HEATMAG

Manufacturer/Country: INTEGRA Biosciences AG / Switzerland

R-R-N4t-HEATMAG4900_01



For detailed conformity declaration, please refer to the operating instructions of the corresponding devices.

Equipment Disposal



Communication modules must not be disposed of with unsorted municipal waste. Do not dispose of the communication module in a fire.



In certain regions and countries, e.g. in EU member states, the distributor is obliged to take back this product free of charge at the end of life. Please contact your local distributor for more details.

Manufacturer and customer service

INTEGRA Biosciences AG Tardisstrasse 201 CH-7205 Zizers, Switzerland	INTEGRA Biosciences Corp. 22 Friars Drive Hudson, NH 03051, USA	Find your local representative: www.integra-biosciences.com info@integra-biosciences.com
Direct sales country	Telephone	Mail
Australia	+617 3497 5800	info-au@integra-biosciences.com
Benelux	+31 630 609 866	info-benelux@integra-biosciences.com
China	+86 21 5844 7203	info-cn@integra-biosciences.com
Denmark, Sweden	+45 3173 5373	info-nordic@integra-biosciences.com
France	+33 1 34 30 76 76	info-fr@integra-biosciences.com
Germany, Austria	+49 6409 81999 15	info-de@integra-biosciences.com
Japan	+81 3 5962 4936	info-jp@integra-biosciences.com
Switzerland	+41 81 286 95 30	info-ch@integra-biosciences.com
United Kingdom	+44 1635 797000	info-uk@integra-biosciences.com
United States, Canada	+1 603 578 5800	info-us@integra-biosciences.com