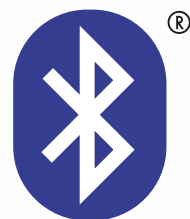




- WAGO-Bluetooth® RF-Transceiver
- Wireless at the Field Level

Bluetooth® with the WAGO-I/O-SYSTEM



The Advantages of Wireless Technology in the Industrial Environment

Wireless technology can support wired applications or enable completely new applications.

In mobile or movable systems, wireless technology is the first choice, but wireless technology is also used if greater distances or obstacles must be overcome.

Known from the consumer market *Bluetooth*® is very well suited for industrial use due to its internationally licensed frequency

range, its very robust transmission technology, its real-time behavior and its ranges of up to 1000 m.

Bluetooth® enables simple data exchange with external devices through the use of standardized profiles.

by integrating *Bluetooth*® technology in the proven WAGO-I/O-SYSTEM.

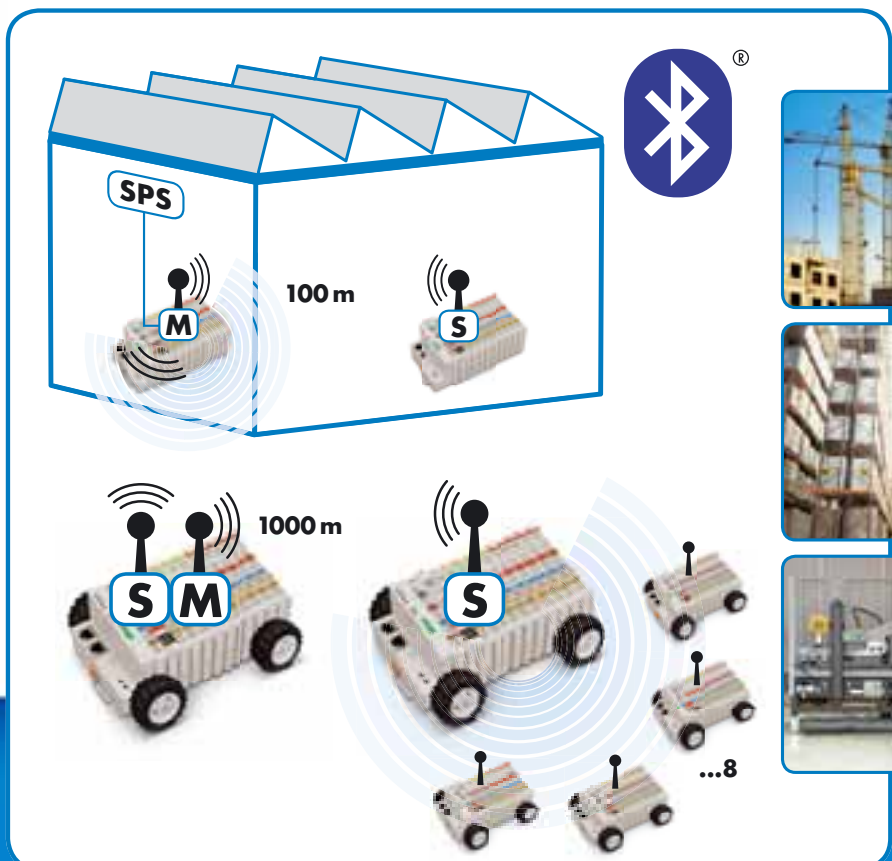


WAGO-I/O-SYSTEM 750

The 750 WAGO-I/O-SYSTEM is the most compact modular field bus-independent I/O-System on the market.

Its many advantages speak for themselves in industry and in building automation:

- **Modular construction:** Digital, analog and special modules can be combined in almost any manner within a node. Outputs of different capacities up to 230V.



S = Slave, M = Master

- **Freely programmable:** Comprehensive programming possibilities in compliance with IEC 61131-3
- **Support of all established field bus systems such as:** PROFIBUS; PROFINET; ETHERNET, CANopen, DeviceNet, etc.
- Diverse **special functionalities** such as safety module, EXI, oscillation analysis, motor controls, etc. can be integrated.

Receiver in the Bus Module

- For the wireless integration of *Bluetooth*[®] technology in the 750 WAGO-I/O-SYSTEM
- The *Bluetooth*[®]-module can be operated on all current couplers/controllers of the 750 WAGO-I/O-SYSTEM
- Several *Bluetooth*[®] modules in one field bus node are possible
- The standard startup software WAGO-I/O-CHECK is used for simple configuration



Bluetooth[®] module, ref. 750-644
(antenna optional)

Bluetooth® Components - Robust, Flexible, Powerful

Bluetooth®

Robust transmission through frequency jumping processes

Simple connection to external devices (PC, PDA, etc.)

Bluetooth Module 750-644

Data exchange between 2 or up to 8 modules

Integration in all established field bus systems

- Bluetooth® Standard 2.0 + EDR
- SPP and PAN

- Short cycle times: <30 ms

- Wide ranges:

- 1000 m in the open air
- typically 100 m inside buildings

- Easy configuration

- Real-time and ad hoc operating modes



Bluetooth® Adapter, Ref. 750-921

Compatible with **all** couplers/controllers of the 750 WAGO-I/O-SYSTEM



Industrial Automation

Wireless at the Field Level

The 750 WAGO-I/O-SYSTEM has been used for years in practically all areas of industry. Now, with the help of *Bluetooth®* modules, additional wireless applications are simple to implement. Wherever data transmission over cable is too expensive, too complicated or not possible, the *Bluetooth®* module creates a solution.

Mobile drive systems inside or outside factory work floors, friction ring applications or robot controls, high bay warehouses or very complex processing plants – the 750 WAGO-I/O-SYSTEM with *Bluetooth®* connection enables the simple integration of process data in all established field bus systems or can tackle the most varied tasks as an autarkic, programmable control system. The *Bluetooth®* protocol also provides a standardized interface to the outside world.



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