

Press Release

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LEMKEN makes digital networking accessible for use in the field

Machine network with centralised ISOBUS control

With iQblue machine connect, LEMKEN presents a digital innovation for use with sophisticated implement combinations. The system networks several machines, both with and without their own ISOBUS function, to form a logically coherent unit. This allows combinations of a front tank, seed drill, and catch crop or granule spreader to be operated and documented as a single implement. Machine control is handled via a single ISOBUS terminal, reducing hardware requirements and increasing operating comfort. The solution is intended to make complexity in the field manageable.

Compared to previous approaches, iQblue machine connect eliminates several practical challenges. Previously, users had to connect each machine to the terminal individually. Functions such as section control were often limited to a single implement, while implements without an ISOBUS connection had to be operated separately.

Machine network: shared functions and data

iQblue machine connect takes things a decisive step further: for the first time, it is possible to combine several machines to form a virtual unit, even if each individual implement does not have its own ISOBUS functionality. The resulting machine network can then be controlled via a central ISOBUS terminal. The combination of machines is recognised as a shared implement, which allows functions to be bundled and relevant sensor data to be reused within the system. ISOBUS functions, such as Task Controller or AUX, can be passed on, or transferred, to other components within the network, even if not all components have their own ISOBUS interface. For drivers, this means that they control a single intelligent machine, including centralised operation and automatic documentation.

As a result, they benefit from standardised menu navigation, synchronised settings and a clearly structured user interface in their day-to-day work. Warnings, system messages and notifications are centralised and can be viewed at a glance. The cost of cabling and additional hardware is lowered, start-up is simplified, and investment costs can be reduced. At the same time, the control logic minimises common sources of error, speeds up set-up times and improves comfort, making modern technology not only more powerful, but also more accessible.

Practical benefits: faster set-up, safer operation, better documentation

iQblue machine connect is designed for farmers and contractors who seek to increase the efficiency and precision of their processes without fragmenting user interfaces or need to procure additional terminals. The machine network concept integrates the variety of modern implements into a consistent, user-friendly, cohesive system, covering everything from configuration and field start to documentation. LEMKEN is therefore setting a new standard for the next level of networked agricultural technology with reduced complexity in the tractor cab, increased intelligence in machine combinations, and measurable benefits in the field.

About LEMKEN: LEMKEN enjoys a worldwide reputation as a visionary, sustainably operating company that makes an important contribution to profitable agriculture. As medium-sized German family company, LEMKEN has applied its expertise and passion for progress for 245 years, delivering solutions for the challenges confronting agriculture today and tomorrow. The company's product range includes tillage implements, seed drills, hoeing machines, fertiliser spreaders and smart solutions for agricultural data management.

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Image 1: LEMKEN iQblue machine connect networks several machines, both with and without their own ISOBUS function, to form a logically coherent unit.

