



# OPERATOR TERMINALS

garant MiniControl, SmartControl and GoControl ISO

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## EVERYTHING UNDER CONTROL

Our operator terminals ensure you always stay on top of things – at an unbeatable price-performance ratio. You can control all hydraulic and electronic functions of your slurry tanker and spreading technology comfortably and safely from the driver's cab.



## MiniControl / SmartControl

Our MiniControl and SmartControl offer the perfect control technology for every farm. No matter whether you prefer a simple toggle switch or require extensive professional control – we have the right terminal for you.

### MiniControl / MiniControl +

The MiniControl and MiniControl + operator terminals enable you to control up to twelve functions on your slurry tanker via toggle switches. Hydraulic supply is ensured via load sensing or the fixed displacement pump.



### SmartControl

Our SmartControl panels are clearly structured and intuitive to operate. Based on CAN-BUS technology, they allow users to conveniently control even a large number of functions and complex operations.

We have developed four different equipment options of the SmartControl device in order to best adapt the terminal to your slurry tanker: SmartControl Mini, Eco, Comfort, and Profi.

#### SmartControl Mini / SmartControl Eco

The SmartControl Mini and SmartControl Eco controls enable you to control several functions of your slurry tanker in a convenient and intuitive way. A joystick can be connected to both terminal types for maximum operating convenience. With the help of a level switch under the display, you can easily switch between yard, road, and field mode in order to avoid operating errors.

In addition, the hotkeys provide you with freely programmable keys on the display and joystick. This allows you to adapt your slurry technology to the requirements of your business and further streamline workflows.



### SmartControl Comfort / SmartControl Profi

The SmartControl Comfort and SmartControl Profi controls offer you numerous other features, such as a seven-inch colour display with touch screen and a two-axis joystick. With a level selector switch under the display, you can easily switch between yard, road and field mode. The hotkeys provide you with individually programmable keys on the display and joystick.

If your slurry tanker is equipped with volume control – i.e. an active flow meter or on-board hydraulics for pump control – you can spread the slurry on a nutrient basis using the Comfort and Profi controls. The desired nutrient values can be conveniently saved in the control system.



### ISOBUS for SmartControl Eco, Comfort and Profi

Our SmartControl Comfort and Profi controls are also ISO-BUS-compatible via an AEF-certified gateway. This means that all important task controller functionalities are usable.

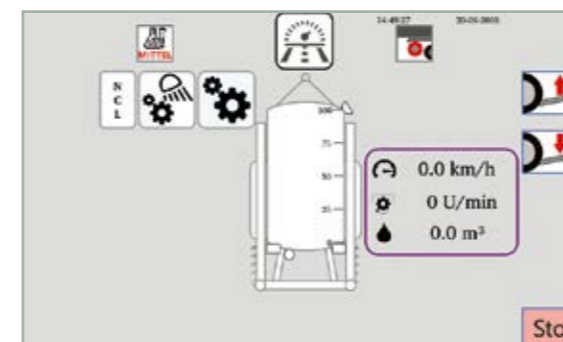
The gateway can be retrofitted to existing second generation SmartControl Comfort and Profi controls.



### SmartControl Makes Your Slurry Tanker Intelligent

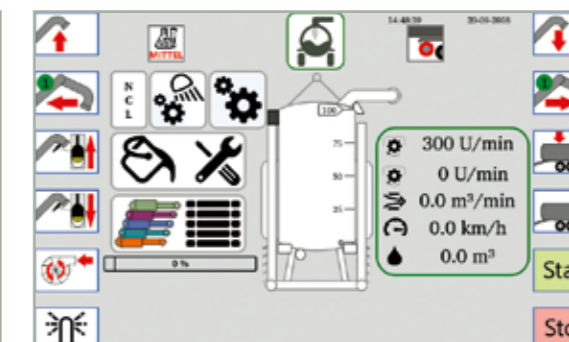
The SmartControl operator terminals allow you to control a wide range of functions. To relieve your workload and simplify your daily routine, we have programmed automatic sequential

switching for the SmartControl controls. The division into three levels ensures safe and straightforward operation.



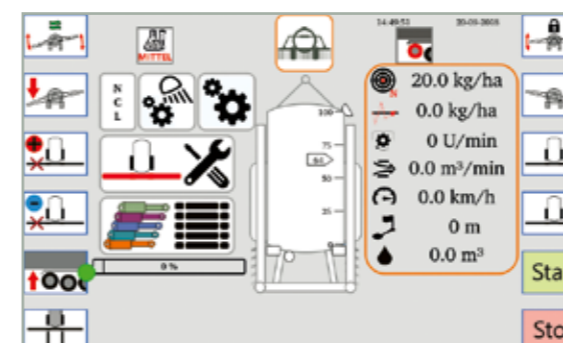
#### Road Mode

In road mode, all functions are automatically deactivated to prevent operating errors.



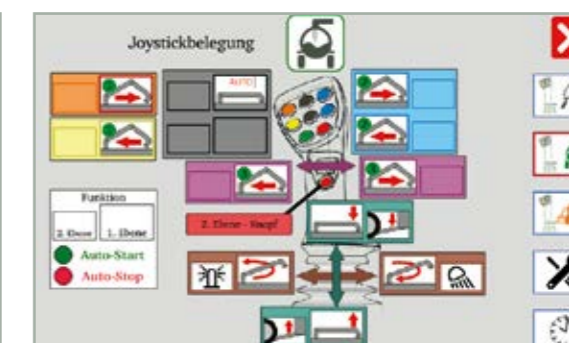
#### Yard Mode

In yard mode, you can choose between manual mode and suction arm mode. The panel clearly displays all relevant data.



#### Field Mode

All important information such as the current working width of the spreading technology, the filling level, or the spread rate per hectare are clearly displayed. In addition, you can easily integrate and control various spreading technologies.



#### Joystick Assignment

The current assignment of the joystick is clearly displayed in the terminal and can be customised as required.



## GoControl ISO

GoControl ISO stands out for its intuitive handling and modern design. Needless to say, we have fully integrated the proven philosophy of the three operating levels (road, yard, and field mode) into the new control system.

With our GoControl ISO control, secured ISOBUS connectivity is guaranteed by the AEF certification of UT, TC-BAS, TC-GEO, TC-SC, and AUX-N. You have the choice between the T 56 and T84+ operating terminals, as well as the CCI 800 and CCI 1200 terminals. Our K 230 joystick can be added as an option.



Operating terminal T56



Operating terminal T84 +



Operator terminal CCI 800



Operator terminal CCI 1200

## GoControl ISO

No matter whether you are increasingly relying on precision farming or would like to reduce the number of operator terminals inside the tractor cab – GoControl ISO is the right solution.

## GoControl ISO – Easy to Operate

GoControl ISO simplifies your work and saves you valuable time, as it enables you to easily control even complex functions of your slurry tanker. All operating modes are clearly arranged and

organised with graphics, pictograms and colours. This means that you always have an overview and can concentrate fully on the work process.



### Road Mode

In road mode, the terminal automatically shuts off all non-relevant hydraulic and electrical functions to prevent operating errors. However, relevant ISOBUS functions such as the PTG tire pressure control system can still be used.



### Yard Mode

In yard mode, all important functions are enabled to pump the liquid manure into the tank. The display allows you to check and control all relevant parameters. You can monitor the pressure automatically and optimise the filling performance.



### Field Mode

In field mode, the display allows you to view and control all parameters for the distribution of your fertiliser. For example, you can individually set a lifting gear and headland management to relieve the driver.

## The garant operator terminals – everything at a glance:

	MiniControl (+)	SmartControl Mini	SmartControl Eco	SmartControl Comfort	SmartControl Profi	GoControl ISO
<i>type of control</i>	Black & White	CAN-BUS	CAN-BUS	CAN-BUS	CAN-BUS	ISOBUS
<i>operator terminal</i>	control cassette with toggle switches	4,3" colour display	4,3" colour display	7" colour display with touch	7" colour display with touch	5,6" o. 8,4" 8,0" o. 12,1" terminal
<i>maximum number of function outputs</i>	up to 24	up to 24	up to 36	up to 56	64 up to 80	up to 86 (modularly expandable)
<i>joystick</i>	—	optional	optional	optional	standard	optional
<i>CFC circuit can be integrated</i>	—	optional	optional	optional	optional	optional
<i>flow rate measurement possible</i>	—	passive or active DFMM	passive or active DFMM	passive or active DFMM	passive or active DFMM	passive or active DFMM
<i>on-board hydraulics</i>	—	—	optional	optional	optional	optional
<i>ISOBUS-Compatibility</i>	—	optional	optional	optional	optional	standard
<i>nutrient-based application</i>	—	—	optional	optional	optional	optional

## Why ISOBUS?

The ISOBUS standard and ISOBUS technology have become the worldwide standard for communication between tractors and implements. The great advantage of this system is that you only need one terminal for machine control and communication.

This saves you costs and ensures a clear view in the cabin. All components can be easily

connected via the standardised nine-pin ISOBUS connector. In addition, you can easily transfer all data to your farm management system or to your farm PC via the standardised ISOBUS interface. The ISOBUS is also a prerequisite for numerous precision farming tools such as Section Control (TC-SC) or the site-specific application of nutrients according to application maps (TC-GEO).



## For Healthy Growth

This has been our guiding principle in the five decades that we have been developing and producing individual slurry technology for agriculture under the “garant” brand. With a broad product portfolio, our family-run company based in Rieste, Lower Saxony, is the German market leader for liquid manure technology. Our slurry tankers encompass sophisticated technology that is tailored to your needs.

## Smart Control for Your Slurry Technology

Thanks to the modular construction principle, you can put together exactly the equipment for your slurry tanker that best meets your operational requirements. This brochure provides an overview of the extensive selection of smart operator terminals. Our slurry tankers and basic equipment are presented in the “Slurry tankers” brochure. Information on Additional Equipment and Spreading Technology can be found in the brochures of the same name.

