

# REICHHARDT®

electronic • innovations



Automatic Implement Steering  
**PSR SLIDE**



**Accurate  
Independent  
Ecological**

**PSR SLIDE:**  
A strong partner for your implement



A common problem experienced by farmers is that the implement does not always follow the track of the tractor, regardless of how the tractor is steered; either manually or automatically. This is especially true in hilly areas and has a large impact in organic farming and other specialty crops where dams have to stay for a long time.

### Track guidance with side shift

This problem can easily be solved with the sliding frame by Reichardt.



**PSR SLIDE SONIC:**  
Ideal in row crops

For track guidance PSR SLIDE uses both GNSS signals with very high accurate RTK correction data and the reliable option via sonic sensors. Both these options are usable independent from each other.

### Drift compensation up to $\pm 30$ cm

The solid frame is mounted easily and quickly on the tractor's three-point hitch. PTO-driven implements can also be used with the PSR SLIDE. With a sliding range of  $\pm 30$  cm it easily corrects where the tractor and terrain force the implement off the track.

### Protect the environment

With the PSR SLIDE by Reichardt the tools are exactly where they are needed – as close as possible to the plants and positioned where they should have an effect.

This saves manual labour, where cultivating is part of the daily business in organic farming. It makes mechanical weed management possible, where the accuracy for this treatment was missing before. Due to the focused application of chemical maintenance measures, where it is unavoidable, PSR

## PSR SLIDE keeps

SLIDE saves expensive operating materials and protects the environment.

### PSR SLIDE SONIC

The ultrasonic sensors mounted on the sliding frame by Reichardt, or



directly on the implement, detect the current plant rows without direct contact. Existing plant rows and dams become markers for the orientation of the automatic steering of the implement with high accuracy. It is possible to work with centimeter accuracy close to plants and irrigation tubes. Implements are now guided through closed stocks independent of the weather conditions themselves, and with minimal adjustment effort. The advantage compared to camera solutions is that the detection of the plants is color-independent and already takes place from a small growth advance of the crop. This makes the system tolerant to wind, shadows or light influences.

**the implement precisely on track**



**PSR SLIDE RTK Steering with satellite signals**

Not only when guiding the vehicle is satellite based steering (GNSS), e.g. GPS and GLONASS, often the preferred option to make the best out of the working widths. Accurate track guidance of the implement is even more important in specialty crops with ridges, hills or dams which exist for many years, such as asparagus, carrots and potatoes. Cultivating in hilly terrain is possible prior to seeding and emergence of the plants.

**RTK CLUE - Key to RTK corrections with added value**

Regardless of what is guiding the vehicle, the implement should be guided only with RTK. Any less accurate option for GNSS steering is not useful for implement steering. With the aid of RTK (real time kinematic) it is possible to achieve high accuracy in repeated applications.

Please visit [www.rtk-clue.net](http://www.rtk-clue.net) for more information



RTK-Rover

**Good to know**

With the aid of the optional ISO-BUS Joystick the driver has the automatic steering under control very comfortably. Please find more information online at [www.reichhardt.com](http://www.reichhardt.com)



Via an adapter cable, an existing John Deere StarFire Receiver, as well as any ISOBUS capable terminal, can also be used.



SMART COMMAND, the app for Smart Farming applications, makes it possible to use a conventional tablet as an ISO VT to operate the ISO-BUS implements. Communication with the machine takes place via Wi-Fi.



[www.rtk-clue.net](http://www.rtk-clue.net)

Highest precision also at the implement:  
PSR SLIDE SONIC & RTK



## Practical value: Accurate & universal

### What professionals say:

#### Christoph and Gregor Knösels Vegetable farm in Spreewald

„With the PSR SLIDE XL with RTK and StarFire receiver we can lay the drip hoses much closer to the plant holes. In weed control, we work with finger picks up to the foil, because the sliding frame keeps the implement straight on track, we can work at a speed of 10 – 12 km/h, which offers a significantly higher performance area and thus saves a lot of time.“

#### Christian Wigger, Glantz Erdbeerhof Glantz Erdbeerhof NW-Mecklenburg & Schleswig-Holstein near Hamburg

„Since we use PSR SLIDE SONIC to build dams, they always have the same distance from each other. The plant protection also takes place with the highest accuracy and at a precisely defined distance to the plants. In the future, we want to use the system on all our farms.“

**PSR SLIDE:**  
Keeps the implement  
precisely on track  
in hilly terrain



Characteristics	PSR SLIDE XL
Net weight:	700 kg
Lifting capacity:	5 t
Implement:	designed for Kat. II/III
Sliding range:	± 30 cm
Power requirements:	from 44 KW
Frame width:	163 cm
Hydraulic connectors:	1 x SAV and 1 x unpressurised return line
Additional advantages:	position sensor with automatic centering, maintenance-friendly through four plain bearings and chrome pipes
PSR SLIDE RTK	
Accuracy:	up to ± 2 cm
Speed:	from 30 m/h
PSR SLIDE SONIC	
Accuracy:	up to ± 3 cm
Speed:	from 30 m/h

### Advantages:

- The implement remains exactly on track independent of tractor and terrain
- Ultrasonic sensors scan precise rows of plants and dams
- RTK allows hoeing before the emergence of the plants
- Rapidly transformed, universally applicable
- Even PTO-driven devices can be operated
- Can also be used in reverse

### Practical use:

- Ideal for mechanical weed control in all crops, in combination with any cultivator
- Essential in organic farming and special crops