



AMAZONE

ISOBUS terminal ***AmaTron 4***



Hardware for hard work! Robust, reliable and ergonomic

The benefits

- ✓ Particularly ergonomic
- ✓ Rear-mounted hand rest for a firm grip
- ✓ Actuation via touch screen or soft keys
- ✓ Larger display area thanks to dynamic fade-out and fade-in of buttons via proximity sensor
- ✓ Water- and dust-proof aluminium housing

The AmaTron 4 ISOBUS terminal, which was developed in-house by AMAZONE, means that comfortable working becomes a matter of course. The 8" low-reflection multi-touch colour display allows easy reading and quick input of all the necessary information. Intuitive operation of the functions is guaranteed at all times either via the 12 keys or buttons in the touch display. Quick navigation between the relevant applications is also possible via one of the three one-touch keys.

ISB key

(ISOBUS-Shortcut-Button) allows the deactivation of all active ISOBUS implement functions

Three one-touch keys

allow a quick changeover between the menus (home button, map view and machine operation).

12 soft keys and 12 touch buttons

From choice, all operations can be carried out via the touch display or directly via one of the 12 soft keys. The backlit soft keys provide reliable and comfortable operation, especially on rough ground.

8" multi-touch colour display provides good readability under all ambient light conditions



On/off button

Light sensor

Automatic changeover over between day and night modes and the matching of the display brightness to the ambient light conditions.

Proximity sensor

By approaching the terminal, the 12 touch buttons are automatically displayed.

Connection ports

- ✓ Connection for GPS signal
- ✓ CANBUS connection
- ✓ TECU connection for speed sensor signals
- ✓ Camera connectivity
- ✓ Optional hotspot via USB
- ✓ Two USB 2.0 interfaces
- ✓ Loudspeaker

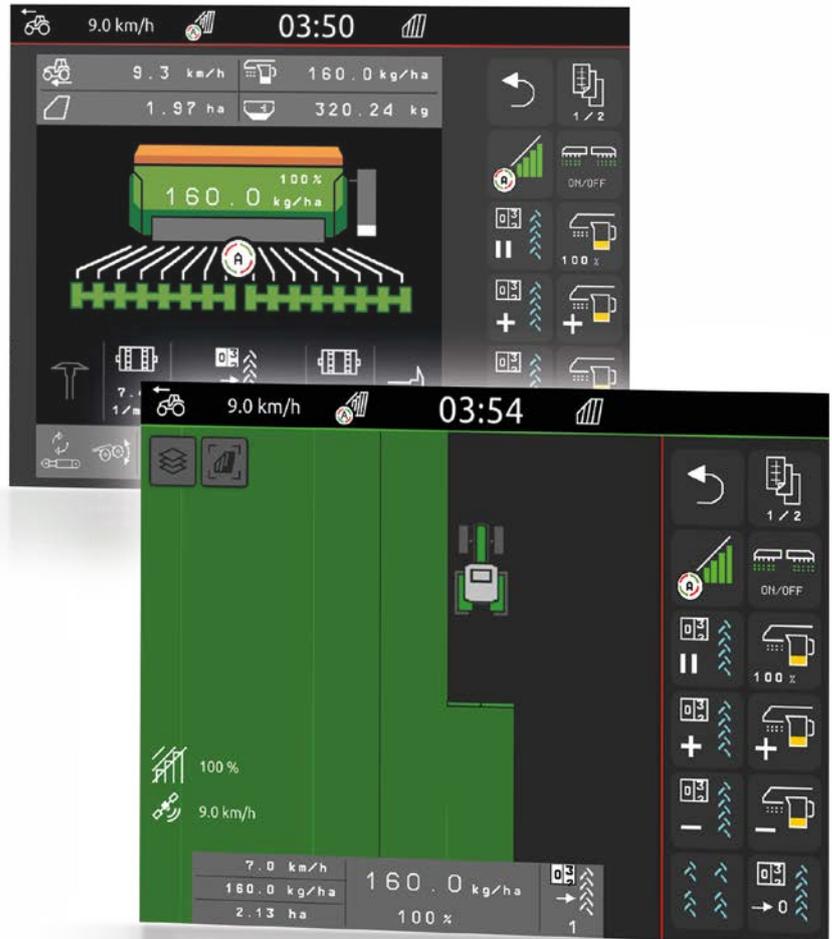


Software: clever and intelligent! That daily work routine made easy

Why not have a terminal that is as intuitive as a tablet or smartphone? With the specially developed software for the AmaTron 4, AMAZONE offers operators extremely user-friendly handling which makes workflows noticeably smoother. The sophisticated machine operation and simple job management do the rest.

The benefits

- ✓ Intuitive and operator-friendly handling in tablet style
- ✓ Field-related documentation
- ✓ Fade-in machine MiniView
- ✓ Practical quick launch menu
- ✓ AmaCam with automatic reversing detection
- ✓ Practice-oriented and intelligent menu prompting



Your comfortable and reliable assistant

The AmaTron 4 operator terminal has been developed with the intention of fulfilling the highest demands in terms of comfort and maximum stress-relief for the driver. A finger swipe enables the operator to navigate intuitively through the clearly and simply structured operational menu. A freely configurable status bar along the top of the screen displays the chosen parameters and information tabs at any time, no matter which menu or sub-menu you are in.

Thanks to the quick start menu, changes to individual settings can also be made in a matter of seconds and any job data imported or exported.

Easy handling – more comfort

Simple and quick navigation

With the aid of the App carousel, any changes between individual applications can be comfortably accomplished. One quite simply leafs through the main operational pages at a swipe. AmaTron 4 allows the creation and use of not just several ISOBUS machines but also non-ISOBUS compatible machines. The implement management overview clearly shows which active tractors and mounted implements are currently connected.



Touch button or soft key

From choice, the AmaTron 4 can be operated via its 12 keys or its 12 buttons. For convenience, the buttons automatically appear on the right-hand side of the screen as soon as the proximity sensor detects your hand approaching. In the map view, the machine can be operated via the touch buttons or via the soft keys.

Automatic display of the buttons on the right-hand side of the screen via the proximity sensor



Automatic hiding of the buttons for optimum utilisation of the entire display area

MiniView – everything at a glance

The most important machine information is clearly shown at the bottom of the screen in the MiniView display, even when in the map view. The MiniView display can be faded in or faded out as required, in order to optimally utilise the full area of the 8" multi-touch colour display.

Machine operation in map view

The MiniView display with all important parameters can be faded in or faded out with a simple tap



Clarity down to the last detail

Customise it for yourself!

The status bar along the top of the screen is visible in all levels and can be fully configured according to one's own ideas. Just determine for yourself which parameters and settings are important to you and then drag them into the status bar.

Various information, such as the time, GPS status or light bar, can be placed in the status bar.



Up and ready by day or night

Thanks to the light sensor which is integrated as standard, the AmaTron 4 constantly matches its display illumination to the ambient light conditions. So an unfavourable display brightness, for instance during twilight, is a thing of the past. Automatic changeover over between day and night mode also facilitates that easy handling.

Machine operation (UT, Universal Terminal) in day-night mode



Quick start menu

Thanks to the quick start menu, job data can be quickly and simply imported and exported (as an ISO-XML or pdf file). Help windows with hints and tips on the use and configuration of the terminal can also be accessed. In addition, practical-related settings, such as AUX-N layout, the brightness or the volume level, can be changed within seconds.

The quick start menu enables changes to be made to individual settings within seconds.

Quick import and export of job data.



In particular, the operating concept of the documentation and job management means practice-oriented working. For example, the AmaTron 4 enables the operator to start work immediately without having to start a job.

Just decide later whether, and how, you would like to make use of that data. The special highlight: all stored data and information can be found at any time, clearly arranged and assigned to the field at a glance.

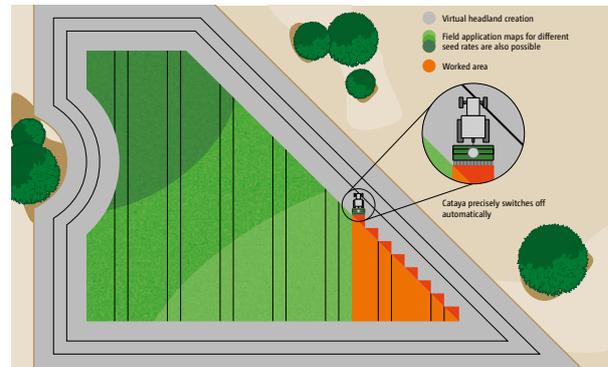
Software licences for precise working

To meet all requirements, AMAZONE offers various fee-based software licences for AmaTron 4. The GPS-Switch basic or GPS-Switch pro, GPS-Track and AmaCam applications are already preinstalled, meaning that that no additional software is required. They can be tested free of charge for up to 50 hours (AmaCam 10 hours). You decide afterwards whether you want to activate the licence permanently. The GPS-Maps&Doc function is included in AmaTron 4 as standard and is unlocked free of charge.

GPS-Switch basic

The automatic headland and GPS-Switch part-width section control is a GPS based, fully automatic headland and part-width section control for fertiliser spreaders, crop protection sprayers and seed drills. When a field has been created, or if the border is known, the driver, in automatic mode, can fully concentrate on controlling the vehicle. GPS-Switch basic features the full functional scope of ISOBUS TC-SC (Task Controller Section Control). Equipped with GPS-Switch basic, the operator terminal offers up to 16 part-width sections. Additional applications are also possible with GPS-Switch basic, such as automatic boom lowering with AMAZONE crop protection sprayers or the creation of a virtual headland, which is extremely beneficial when sowing.

Application when sowing

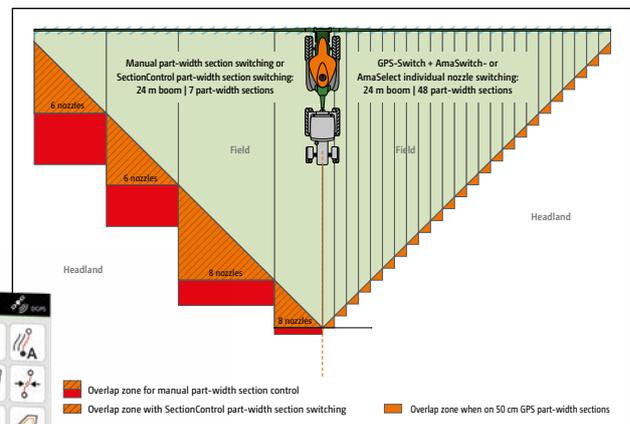


- ✔ Position-dependent, automatic on/off switching for accurate placement of the seed

GPS-Switch pro

With GPS-Switch pro, based on GPS-Switch basic, then up to 128 part-width sections are then possible. Very small 50 cm part-width sections can therefore be switched when spraying using individual nozzle control. In addition to an auto-zoom function when approaching the headland, there is also the option of marking obstacles, for example, pylons or water holes, and receiving warnings when approaching them.

Application when spraying



- ✔ Precise switching in 50 cm part-width sections

- ✔ Up to 85% less overlap on the headland in comparison to conventional SectionControl part-width section switching



GPS-Maps&Doc

GPS-Maps&Doc offers field-related and geo-referenced documentation via Task Controller. Scheduled ISO-XML jobs can be processed or created via Task Controller. One can start work immediately and then decide later whether that data should be stored. Application maps can be processed in ISO-XML or Shape file format. After the work has been completed, the jobs can be exported in ISO-XML or pdf format via a USB stick for documentation. In addition, ISO-XML jobs can be easily exchanged between the terminal and the agricultural software application via agrirouter and the myAmaRouter app. For ease of orientation, inactive field boundaries are displayed in the map view and fields are automatically recognised on approach. Activate with a click and off you go!



- ✔ Processing of an application map for part-area, site-specific cultivation tailored to requirements.

GPS-Track

The GPS-Track parallel driving aid proves to be an enormous help in orientation within the field, especially on grassland. It features both A-B line and contour line driving track modes. The wheelings are clearly numbered. The deviation from the optimum track is shown graphically in the display. Clear steering recommendations via the integrated light bar in the status bar keep you on track. The exact distance to the next track line is also displayed – for ideal orientation, such as for finding the right maize row. Furthermore, the current wheeling is indicated by the ISOBUS tramline control for seed drills, meaning that a tramline can be automatically switched according to the tramline rhythm set in the machine (ISOBUS tramline control Level 1). Apart from the familiar systems such as track markers or switching via the working position sensor, AmaTron 4 therefore provides an extremely comfortable option for tramline control.



- ✔ Thanks to GPS-Track, the driver always has an overview of the field. The parallel guidance aid helps you to relax and stay safely on track.

AmaCam

Thanks to the AmaCam software licence, the optionally installed reversing camera automatically switches on when reversing. This dispenses with laborious switching and helps avoid dangerous situations behind the machine.



AmaTron Connect

New ways of comfortable networked operation

With AmaTron Connect, AMAZONE provides a digital interface to a smartphone or tablet. The mobile device and AmaTron 4 are simply connected as a hotspot. AmaTron Connect enables use of the AmaTron Twin App as well as data exchange via agrirouter and the myAmaRouter App.

AmaTron Twin App Clear display enhancement

The AmaTron Twin App offers the driver even more comfort during work, as GPS functions in the field view can also be operated via a mobile device (e.g. a tablet) in parallel with machine operation in AmaTron 4.

Now download the free App and try the DEMO in the App.



✔ Everything in sight at all times with the AmaTron Twin App

Advantages of the AmaTron Twin display enhancement:

- ✔ Use of an existing mobile device
- ✔ Greater clarity – all applications in sight
- ✔ Comfortable control of GPS functions in the field view in parallel via the mobile device
- ✔ Clear, authentic representation of the working machine and its part-width sections



agrirouter

The independent data exchange platform for agriculture

Secure data exchange

agrirouter is an independent data exchange platform for farmers and contractors. It enables simple and cross-manufacturer data exchange between machines and agricultural software applications, thereby reducing administration. The user retains full control over the data at all times.

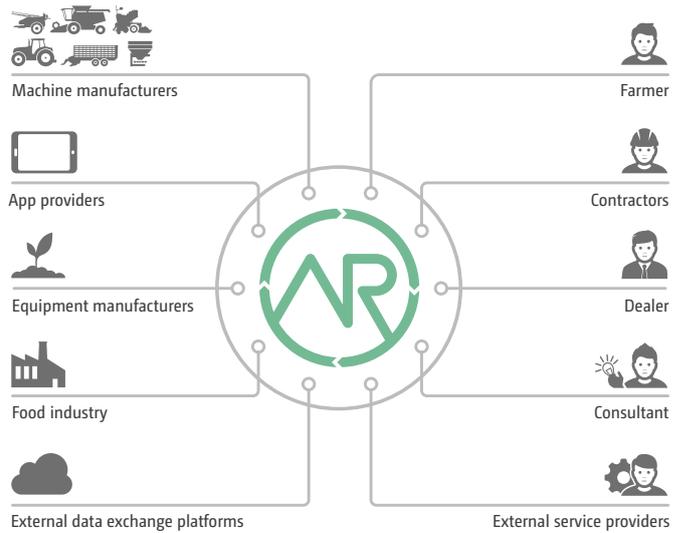
myAmaRouter App

For the on-line transfer of data between AmaTron 4 and agrirouter

The myAmaRouter App enables data to be exchanged between the AmaTron 4 ISOBUS terminal and agrirouter, the manufacturer-independent data exchange platform. If an AMAZONE machine is to be used to carry out a task with job data (e.g. application maps), the data can be easily transmitted from a Farm Management Information System (FMIS) to AmaTron 4 via agrirouter and the myAmaRouter App. After the work has been completed, the job can be sent back and is available for documentation in an agricultural software application.



Watch the video for more details



The manufacturer-independent agrirouter enables secure and uncomplicated data exchange.

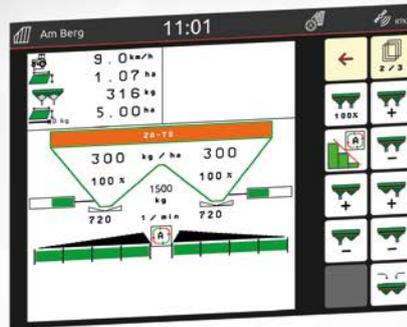
- ✔ Simple data exchange between the AmaTron 4 ISOBUS terminal and the manufacturer-independent agrirouter data exchange platform
- ✔ Easy and rapid transfer of job and task data without the need for a USB stick
- ✔ More flexibility for data exchange and documentation

Uncomplicated data transfer. Transparent and secure!



The possibilities when fertilising

- ✔ ISOBUS machine operation
- ✔ GPS-Switch basic and GPS-Switch pro – for the automated headland and part-width section shut-off of the fertiliser spreader
- ✔ DynamicSpread (with GPS-Switch pro) for dynamic part-width section control with up to 128 part-width sections
- ✔ GPS-Maps&Doc – with the integrated Task Controller for the automatic documentation of job-related data
- ✔ GPS-Maps&Doc – different application rates on both the left and right hand sides for part-area, site-specific application
- ✔ GPS-Track – visual parallel guidance aid for less stress on the driver
- ✔ Parabolic part-width section control and HeadlandControl for optimisation of the fertiliser distribution on the headland



The possibilities when sowing

- ✔ ISOBUS machine operation
- ✔ GPS-Switch basic – automatic on/off switching on the headland and automatic half-side shut-off
- ✔ GPS-Switch basic with AutoPoint – for optimum switching times on the headland
- ✔ GPS-Switch basic – virtual headland simulation
- ✔ GPS-Track with ISOBUS tramline control (Level 1) – automatic switching of the tramline for less stress on the driver
- ✔ GPS-Maps&Doc – with the integrated Task Controller for the automatic documentation of job-related data
- ✔ GPS-Maps&Doc – multi-bin function for independent control of the application rates of several materials via application maps



AmaPilot+ multi-function joystick

Operation via the AmaPilot+ multi-function joystick is extremely easy.

All functions in the work menu can be actuated via AmaPilot+ or any other ISOBUS multi-function joysticks.

- ✔ Intuitive and operator-friendly tablet-style actuation
- ✔ Practice oriented and intelligent menu navigation
- ✔ High-quality aluminium housing
- ✔ Actuation via touch screen or soft keys

Tron 4



- ✓ Data transfer in the standardised ISO-XML and Shape file formats for simple communication with various farm software systems via USB stick or agrirouter



The possibilities when spraying

- ✓ ISOBUS machine operation
- ✓ GPS-Switch basic and GPS-Switch pro – automatic part-width section control for maximum precision
- ✓ GPS-Switch basic – automatic boom lowering prior to switching on the nozzles
- ✓ GPS-Switch pro – precise switching in 50 cm part-width sections
- ✓ GPS-Maps&Doc – with the integrated Task Controller for the automatic documentation of job-related data
- ✓ GPS-Maps&Doc – part-area, site specific application for the efficient use of operating resources
- ✓ GPS-Track – visual parallel guidance aid for less stress on the driver



The possibilities when cultivating

- ✓ Part-area, site specific application of fertiliser and/or seed in just one operational pass
- ✓ GPS-Maps&Doc – with the integrated Task Controller for the automatic documentation of job-related data
- ✓ GPS-Track – visual parallel guidance aid for minimising overlaps and misses

- ✓ Field-related documentation
- ✓ Automatic fade-out and fade-in of the buttons via a proximity sensor
- ✓ Bright 8" multi-touch colour display
- ✓ Ergonomic and practical design



AMAZONE



AMAZONEN-WERKE H. DREYER SE & Co. KG
P. O. Box 51 · 49202 Hasbergen-Gaste/Germany
Phone +49 (0)5405 501-0 · Fax +49 (0)5405 501-193