



YANMAR

FLEET MANAGEMENT SYSTEM

SMARTASSIST

Remote



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EN-SAR-0918



What is SmartAssist Remote?

SmartAssist Remote is the new fleet management system developed by Yanmar which gives you the optimal handle on the location of your equipment and operating information using the latest telematic technology.

This new development, available as an option for the Yanmar YT2 & YT3 tractor series, will help you maximise your work potential. By providing real-time information, it gives you total control and lets you monitor and manage your tractors remotely via a PC, smartphone or tablet.

Be Organised

Accurate hours monitoring, service reminders and location data help plan maintenance to optimise your fleet.

Be Proactive

Monitoring tractor hours and technical information helps you react faster to tractor failures. Keep your tractor running at maximum efficiency, improving productivity.

Be informed

Utilisation tracking allows the operator to make more accurate decisions based on actual equipment use, to schedule maintenance operations and to save maintenance costs.

Be relaxed

The location of your tractor is updated every 30 seconds and geofencing alerts tell you when it moves out of predefined areas. **SA-R** helps you keep your tractor safe and secure and gives you full confidence.

How does **SA-R** work ?

Your tractor's data is at hand from anywhere

The SA-R system uses the latest satellite technology. Signals are sent to GPS satellites and used to identify the location of the tractor. Data autoupdates every 30 seconds to guard against theft. The position and operating information of the tractor are sent to Yanmar's data servers using the mobile networks.

Your tractors can be remotely monitored from anywhere in the world via web or mobile.



Display

A customised interface for every user



TERRA Interface for tractor owners

This user friendly and simple interface gives fast and clear access to the main tractor information: location in real-time with vital technical information about your equipment at a glance, with date-stamped tracking.

The **TERRA** interface can be customised according to your own requirements. You can organise your tractors in groups and add names or choose a specific area to display the location settings. Maintenance information and alerts can be sent directly to a company of your choice which will help you plan your periodic maintenance.

The **SA-R** system is available in selected European languages.

SmartAssist empowers you wherever you are

SmartAssist Remote

LUNA interface for rental companies and dealers

On top of the information given by **TERRA**, the **LUNA** interface gives access to the tractor maintenance and periodic inspection information. CSV and PDF files can be made for information analysis. On choosing a daily report search, users can extract it and save it for further analysis.

- Modem controller
- Operation management
- Maintenance information
- Security information



Monitor the location and react fast with SA-R

Real-time localisation



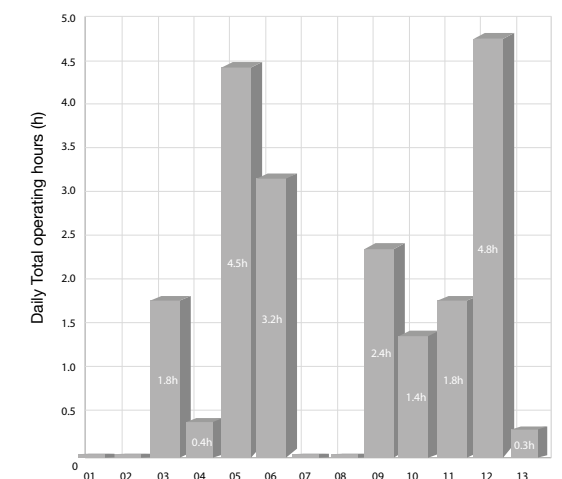
Tractors contain systems called Controller Area Networks, which are used to acquire operational information. Using this technology, you can be informed in real-time about:

- Engine rpm
- Function setting status
- Error status
- Fuel consumption
- Operating hours
- Etc.

You can easily access a lot of work data in your **SA-R** interface, searching by time or machine.

To be more reactive and act really fast, you can monitor the location and the status of each tractor. If one of them breaks down, the **SA-R** screen allows you to visualise precisely where the trouble is occurring. Your dealer or you can provide a speedy response and know exactly what happened in order to bring the correct solution to fix the issue. **SmartAssist Remote** System can also help to prevent theft or to find your tractor if stolen.

Vital information at a glance



Work report



You can access the daily and monthly operating record of your tractors. You can analyse working hours, distance travelled and fuel consumption. A calendar function allows you to choose a specific day in a month and access the details of that day. In the work records, you have the option to input details of work and remarks about tractors, such as who was the operator, the kind of use or the work location, useful for rental tractors, for example. These records can be consulted later to identify any issues or compare performance.

Team management

The SA-R system offers an operator team management service, so if there are several operators for tractors the team can be managed. Only assigned operators will have access to the **SA-R** Interface, which is particularly useful for rental companies. Through detailed monitoring and analysis **SmartAssist Remote** ensures optimum performance and provides useful maintenance information, allowing dealers and end-users to maximise their work potential.

Alert

When an abnormality occurs on a tractor, an email notification is sent to you or your dealer (if requested at registration). Error type, error time and error location are detailed in the message. For you it's easier to provide a swift response and consequently minimise downtime. All these alerts will be recorded for future reference, for example by a tractor repair specialist.

Different kind of alerts exist (start-up, stop, location, trend and event) and give you information at a specific time.

The event alert is activated when an abnormality or theft is detected. The anti-theft feature can be set by time frame and specific location. If the tractor is started out of the set time frame or moved out of the set area, you will receive an email notification. Both settings can be set at the same time.

Any abnormality which can disturb the tractor is noticed, it could concern a low voltage battery or abnormal voltage of the accelerator sensor for example. These notifications help you to keep your tractor ready for work by anticipating refueling or equipment changes.

Your dealer can enter remarks or reports on each received alert on the **SA-R** interface, to record a history in order to solve any future issues faster.



Maintenance

With **SmartAssist Remote**, your dealer can keep a record of your maintenance and periodic inspection information, so you can be proactive and organise enhanced servicing just in time to avoid break-downs. Regarding the operating hours, SmartAssist Remote informs dedicated people when an inspection is required (if operating hours after the inspection exceeded the specified maintenance interval). When clicking on the maintenance status, it is possible to know which parts are affected.

This is very useful to:

- anticipate spare parts orders
- divide tractors between different jobsites
- ensure more uptime
- keep your tractors ready for work

Your chosen company for the servicing of your fleet will have access to different technical information. They can then examine the operating hours of the tractors, edit and consult the maintenance and inspection records, organise their staff and manage any site visits.



SmartAssist Remote: always backed by a dedicated service network

Our distributors provide you all the solutions you need, with advice tailored to your situation, full service contracts, preventive maintenance contracts, spare parts and general maintenance. Proximity, speed, quality and responsibility are constant preoccupations of Yanmar resellers. We go into action for your peace of mind and we work hard for your satisfaction.

Yanmar's official repairers are present in all European countries. Always close to you, trained and qualified mechanics take care of your tractor. Authorised repairers provide contracts and day-to-day maintenance services, carrying out emergency repairs when necessary to ensure your fleet keeps working.