

Petrol generator



SANLI | GS2400
www.sanli.co.uk

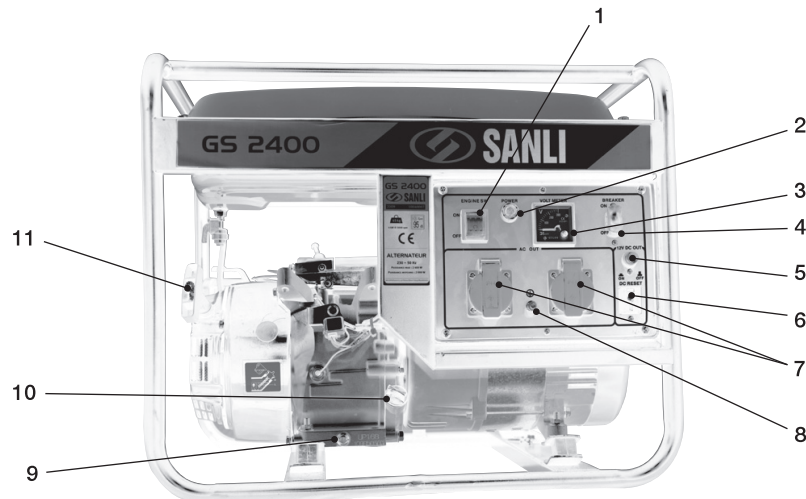


PLEASE KEEP THIS MANUAL IN A SAFE PLACE

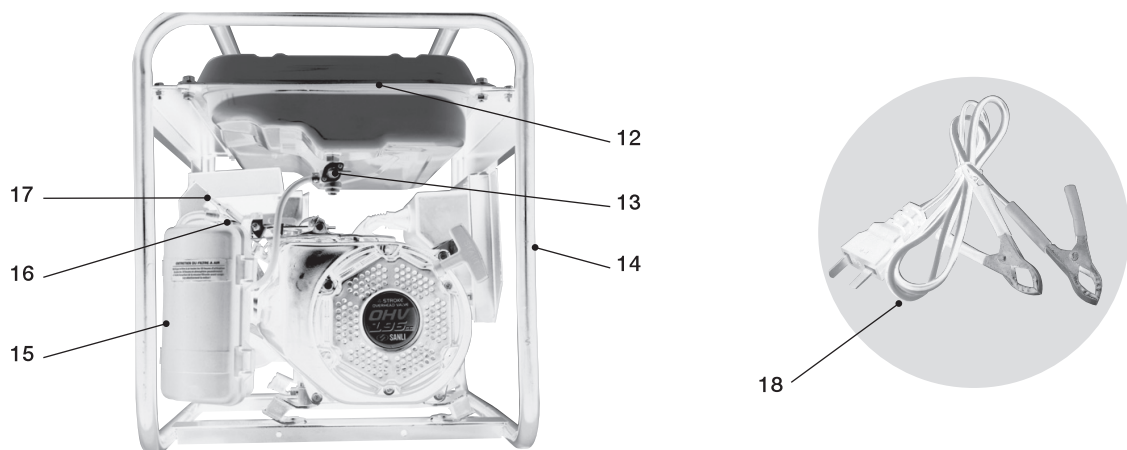
Summary

DETAILED DESCRIPTION OF THE PETROL GENERATOR

Model GS2400



1	Start/Stop switch	7	230 V - 50 Hz plugs
2	"Power" indicator	8	Earth plug
3	Voltmeter	9	Motor draining cap
4	Circuit breaker arming button 230 V - 50 Hz	10	Motor oil cap/ gauge
5	Circuit breaker arming button uninterrupted 12 V	11	Manual starter handle
6	uninterrupted 12 V plug		



12	Petrol tank 4 T (SP95)	16	Starter lever
13	Petrol tap (ON/OFF)	17	Spark plug
14	Transport and protection frame	18	12 V cables
15	Air filter		

1. Introduction

Thank you for choosing our product and congratulations on purchasing your new SANLI petrol generator. We are confident that this equipment, when properly maintained, will give you years of trouble-free operation and you will be able to fully appreciate its quality, performance and comfort.

This electrical generator has been designed and manufactured with utmost care and in accordance with strict standards of safety, reliability and ease of use of SANLI products.

Please read this manual carefully and familiarise yourself with all the controls of the electric generator before using it for the first time.

Please adhere strictly to all warnings, explanations and instructions given in this manual for the safe and optimal use of this tool.







KEEP THIS MANUAL IN A SAFE PLACE

2. Safety instructions

Your generator must always be used following the guidelines of this instruction manual.

2.1 Safety labels and symbols

IMPORTANT: Some of the following symbols may be used on the tool.

	Danger! Avertissement ! Attention ! This symbol indicates a danger, a warning or a caution. It indicates that the operator's safety is at risk.
	Read the instruction manual The instruction manual contains information intended to draw attention to possible safety issues, the risk of deterioration to the machine as well as helpful tips for getting started, use and maintenance. Please respect all the warnings, explanations and instructions given in this manual for safe and optimal use of this machine.
	Keep a safe distance Keep children and animals away from the generator.
	Disconnect the machine Turn off the machine and remove the spark plug cap before starting any cleaning, transportation or maintenance or when you leave it unsupervised.
	Wear ear protection
	Electricity risks This device uses potentially dangerous electrical current. Never repair a damaged or used electrical wire – replace it

	<p>Do not expose the machine to rain Never use the machine in the rain or in an atmosphere of high humidity</p>
	<p>Parts of this machine can cause severe burns Never touch the exhaust pipe when the machine is being used or has just stopped</p>
	<p>Use of flammable or explosive materials</p>
	<p>Dangerous gases released Use this machine indoors is prohibited</p>

2.2 Before using the electric generator

- Carefully read this user manual.
- Familiarise yourself with how this machine works and learn to use it correctly
- Never allow the machine to be used by other people (especially children) who have not read the instruction manual.
- If the machine must be given to other people, give them the instruction manual.
- Never remove labels or safety elements.
- Only attach the generator to appropriate electrical appliances whose total power does not exceed the nominal power of the electrical generator. Check that the electrical information of the appliances you connect correspond to those of the generator.
- Do not plug the generator into the existing electrical fittings of buildings, as this may damage the generator and the electrical appliances. Plugging the generator into an existing network must be carried out by a competent electrician and must comply with all current regulations.
- The generator must not be turned on when it is on a vehicle or in closed premises. If this is essential, special air and gas extraction measures must be applied. Never modify the basic engine settings and do not overwork it.
- To attach electrical appliances to the generator, only use equipment which is in compliance, adapted and in perfect working order. Keep the cable away from water, heat sources and sharp edges.
- Only use cables or extension leads which comply with current regulations.
- Never use the cable to carry, pull or unplug the generator.
- Never expose the generator to rain, snow or to high humidity atmospheres. Never let water or other liquids get into the appliance.
- Do not use the generator in an environment where there are flammable materials such as liquids, gasses or dust. The sparks generated by the machine when it is working may lead to risk of explosion. Keep explosive or easily flammable products far away from the electric generator.
- Each time before starting the machine, check the oil and petrol levels, and check that the generator is in good condition.
- For safety reasons, only plug appliances into the generator which have double electrical insulation.
- To avoid electric shocks caused by faulty appliances, the generator must be earthed.

- This appliance is only meant to be used to produce electricity for machines or electrical appliances for private use. All other usage, which is not expressly permitted in this manual may damage the appliance and may lead to serious danger for the user and is not authorised
- The appliance must never be used:
 - In enclosed areas
 - In the rain or in humid environments
 - In an intensive way
 - By children under the age of 16
 - By unaccompanied minors.

2.3 While using the generator

- The use of motorised tools may be subject to regulation. Please respect any legal regulations, which may differ from one location to another.
- If you have to work for a long period in close proximity to the generator, wear ear protection.
- Do not plug electrical devices in to the generator before starting it
- Only use the generator in dry places. Only use the generator on solid, stable and flat surfaces. Avoid areas where the machine may get knocked over, slide or fall.
- Never use the generator in closed or poorly ventilated spaces where harmful carbon monoxide vapours might accumulate.
- Keep people, children and animals away from the electrical generator
- Never touch the generator with wet hands.
- Never touch any live parts.
- Never touch the exhaust pipe or the exhaust pipe cover when the motor is on or when it has not fully cooled down after use.
- Never use a deteriorated, badly repaired, badly assembled or arbitrarily modified machine.
- Do not overload the machine. Only plug in the required number of devices without exceeding the generator's nominal power.
- Turn the generator off for a period of 30 minutes every three or four hours of use to ensure that it cools down.
- If you are using several generators at once, keep a distance of at least one metre between them while they are being used.
- Keep the generator away from other cables and electrical wires.

- Position the generator in such a way so that the exhausts from the exhaust pipe are completely clear – this allows it to function properly and also avoids all risk of burns or fire.

2.4 After using the electrical generator

- Stop the motor before carrying out any checks or maintenance.
- Always follow the written maintenance instructions. Replace any worn or damaged parts.
- Only have your generator repaired by qualified personnel
- Only use original parts or those approved by SANLI UK.
- Keep the generator clean and always store it in a dry, ventilated place, out of reach of children.
- Keep this instruction manual in a safe place and consult it every time you use this tool.

3. Usage Guidelines

Modifications not authorised by SANLI can render the machine dangerous and may lead to serious injuries during use. SANLI UK will not accept any liability for any type of misuse or for any use which does not conform to these instructions or to current regulations.

3.1 Assembling the generator

- Carefully unpack the machine. Check that all the items listed in the manual are present. Make sure that the parts are clean and in good condition. If you have any doubts, please contact the retailer.
- Connect the generator to an earthing pin with the help of an earthing wire and with a cross section of over 2 mm²

WARNING: Petrol is highly flammable. Always handle it with the greatest care to avoid all risks of burns or explosion

NOTE: Unleaded petrol deteriorates quickly when being stored for a prolonged period. Only purchase the amount that you will consume within a month.

Filling the motor oil tank

For transportation, all engine oil should be drained.

WARNING: Never run the generator without oil, not even for a short while.

- Always use high quality, API SF class oil and with a SAE30 or 15W40 or 10W40 viscosity.
- Place the generator in an open area. Unscrew the oil cap/ gauge and remove it. Wipe the gauge with a clean cloth.
- Slowly pour the oil in with the help of a small funnel. The capacity of the oil tank is 0.6 litres.
- Replace the gauge onto the filling inlet but do not screw it on. Remove the gauge and check the horizontal oil level. The left mark on the gauge must be up to the maximum level.
- If the level is above the maximum level, remove any excess immediately.

NOTE:

- The gauge must be screwed on tightly when the motor is running.
- The SANLI GS2400 generator has a safety feature that cuts the power if the oil level is too low.

3.12 Filling up with fuel

WARNING: Petrol is highly flammable. Always handle it with the utmost care to avoid all risk of burns or explosion

WARNING: This machine has a 4 stroke motor and works with pure petrol.

- Only use “fresh” unleaded 95 petrol. Only buy the quantity that you are likely to use within a month. Only transport and store petrol in containers designed specifically for this purpose and which are approved and labelled as such.
- Always fill up with petrol while outdoors and never in an enclosed space, nor close to a flame or source of intense heat. Do not smoke while filling up with petrol.
- Do not unscrew the tank cap when the motor is on or hot.
- Perform a visual inspection of the tank, its cap, the fuel line and the petrol filter before each use
- Try to prevent dirt, dust or water from getting into the petrol tank, as this may result in requiring the machine’s tank to be completely drained by a professional.
- Open the tank cap and the cap of the petrol container.
- Slowly pour the fuel into the tank with the help of a filling nozzle or funnel.

- The tank capacity is approximately 15 L. Avoid spilling petrol and avoid overfilling the tank. Check that the level of petrol does not go more than half way past the height of the filter, so that the petrol has room to expand.
- If some petrol is spilled, do not start the engine, move the machine away from the area of spillage and carefully wipe the electrical generator. You should not try to start the machine until all petrol vapours have evaporated.
- Close the tank cap properly. Close the petrol container and place it far away in an appropriate place where it is protected from heat.


If you suspect a petrol leak do not start the motor, drain the tank using a petrol suction pump and get your machine checked immediately by an After-Sales centre approved by SANLI UK.

3.2 Using the generator

- Before use, always check that the safety elements are present and working properly. If necessary, replace or repair faulty components. Only use original parts or those approved by SANLI UK.

3.21 Starting the generator

WARNING: Never plug electrical appliances into the electrical generator before it is switched on.

- Open the petrol tap putting it in the «**ON**» position
- Put the choke lever (above the air filter in the  position (start or choke).
- Place the «**Start/Stop**» switch **O/I** in the « **ON** » position (component 1).
- Slowly pull the starter handle until you feel the marked resistance of the motor compression. Pull quickly once and follow the starter cord back immediately. If the motor does not start after the first pull, try again until the motor starts.
- After 15 to 30 seconds of the motor working, put the choke lever back in its initial position (**run**).
- Leave the generator on unloaded for three minutes, before plugging your electrical appliances into the electrical generator.

NOTE: All electrical appliances require more power when starting. As such, if two appliances are operating from the same generator, start them one after the other without going over the nominal authorised power for the electrical generator.

- If the circuit breaker trips, it is likely that there is an overload of current due to excessive power from the connected appliances.

Unplug some of these devices and reset the 230 V circuit breaker button (component 4).

3.22 Stopping the generator

- To stop the machine, unplug all the electrical devices.
- Place the motor «Start/Stop» switch O/I in the «OFF» position to cut the motor.
- The device will stop completely after a few moments.
- Put the petrol tap into the «OFF» position.
- Wait for the motor to cool down before handling it.

3.23 Use in high altitude

- In high altitude, the air-petrol mixture is not compatible with the basic settings. The consumption of petrol increases and the machine's performance diminishes.
- The machine's performance can be improved by adapting the carburetion settings. If you are using the machine at an altitude exceeding 1500 metres above sea level, ask your approved retailer to carry out these adjustments.
- Similarly, the use of the generator at an altitude that is lower than the one the carburettor is adjusted for can lead to a diminished performance, overheating as well as serious damage to the motor.

3.3 Cleaning, storage, transport and maintenance

Before carrying out any work on your generator, unplug all electrical appliances, stop the motor and wait for it to cool down.

3.31 Cleaning the generator

- Regularly cleaning the generator after each use will ensure that it works properly.

WARNING: Never immerse the generator in water or in other liquids to clean it.

- Use a soft cloth to clean the outside of the generator.
- Do not clean the generator with a strong jet of water or high-pressure water.

3.32 Storing and transporting the electrical generator

Keep the generator clean and dry.

Always keep it in the dry place and out of reach of children.

NOTE: If the generator must be stored for a long period, the motor must be shut down in the following way:

As the motor is running, close the petrol tap and wait for the motor to stop. It will stop when it runs out of petrol. This procedure will avoid ageing petrol deteriorating the carburettor.

Drain the petrol tank with the help of a suction pump.

To transport the generator, apply the same procedure.

3.33 Maintenance of the generator petrol filter

Petrol tank filter

The petrol tank is protected by a filter that stops impurities from entering when you fill it up. This filter must be cleaned every time it has impurities. Remove the petrol filter from the tank and wash it with a small amount of clean petrol, or blow on it with pressurised air.

Put the filter back in place.

Spark plug

Remove the spark plug cap and unscrew the spark plug. Take the spark plug out.

Remove the layer of calamine from the spark plug electrodes with a metallic brush.

Check the electrode gap with the help of a large gauge (ideally between 0.7 and 0.8 mm).

If the spark plug is worn or damaged, replace it with a new spark plug made for this machine.

Put the spark plug back by hand, screw it until there is contact with the contact box, then screw it in half a turn more with the help of the spanner.

NOTE: If the spark plug is too tight, it can cause irreversible damage to the bolt thread.

Put the spark plug cover back in place by pushing down on it hard until it clicks.

Air filter

Remove the air filter cover and remove the air filter

Carefully remove the foam-filtering element, and wash it in warm water with a few drops of washing up liquid until it is perfectly clean and that all traces of grease and dirt have disappeared.

Clean the filter in hot water with a few drops of washing up liquid. Once it is dry, moisten the air filter with some clean motor oil.

Remove any excess oil by pressing down on the foam. Do not wring.

Put the air filter back in place and replace the cover

WARNING: Never use the electrical generator without the air filter.

Changing the motor oil

Turn the engine on to preheat the oil and to make it more fluid. This operation should be done in the open air.

Stop the motor and turn off the petrol tap before draining.

WARNING: Some parts of the motor can be very hot and lead to severe burns.

Put a container under the engine of the generator to collect the oil, at the same height as the oil-draining cap (component 9). Let the oil flow completely out into the container.

As soon as the oil stops flowing, screw the drain cap back on, and fill with new oil using the filling cap (0.6 L), checking the final level.

NOTE: Used oil must be disposed of in accordance with current regulations, and must not be thrown away outdoors.

3.34 Frequency of maintenance for the electrical generator

Work to be carried out	Before each use	After 10 hours	Every 50 hours Or once a year
Engine oil level	To be checked		
engine oil drainage		First drainage essential	Normal drainage
Checking and cleaning of air filter	Check presence and condition		Clean and Replace if necessary
Spark plug			Clean and maintain

4. Technical Characteristics

As a result of our policy of continuous improvement, we reserve the right to change the design and configuration of any product without notice. Therefore, the text and images in this manual are for illustrative purposes only and may in no case serve as a basis for any legal or other claim.

Model	GS2400
Type of machine	Electrical generator
Engine	Sanli OHV-196 4-stroke, single cylinder, – air cooled
Motor power	4000 W @ 3000 t.min-1
Displacement	196 cm ³
Oil tank	0.6 L
Type of oil	SAE30, 15W40, 10W40 multi-grade
Lack of oil safety cut-out	YES
Petrol tank capacity	15 L
Petrol	95 unleaded
Start	Recoil starter
Spark plug type	F6TC
Autonomy	10 hours
AC voltage out	230 V - 50 Hz
Maximum power out	2400 W @ 3600 t/min
Nominal power out	2000 W
Maximum AC	10 A
DC voltage out	12 V
Maximum DC	8.3 A
Guaranteed acoustic power LwA	95 dB(A)
Protection class	Class I
Protection index	IP23
Dimensions	590 x 445 x 505 mm
Net mass when empty	45 kg

5. Troubleshooting

Problem	Probable causes	Solution
The device does not start/ does not work	The « Start/Stop» switch O/I is not engaged or is faulty	Check the « Start/Stop» switch and put it in the «ON» position. If it is faulty: contact a SANLI approved repairer
	The petrol tap is closed or blocked or faulty	Turn the tap to the «ON» position
		The petrol tap is blocked : contact a SANLI approved dealer
	The spark plug is very dirty or badly set	Clean, readjust the space between the electrodes and let the spark plug dry naturally. Change it if necessary
	The spark plug won't spark	Contact a SANLI approved dealer
	The carburettor could be greasy or broken	Contact a SANLI approved dealer
	The starter does not work.	Contact a SANLI approved dealer
	The air filter is very dirty	Clean the air filter. if necessary, contact a SANLI approved dealer
	The oil level is very low	Add some oil to the engine
	The tank is empty or the petrol is too old or poor quality	Replace the petrol with new high quality petrol
The device no longer generates electricity	The circuit breaker has been triggered	Reset the circuit breaker And/or contact a SANLI approved dealer

6. Environmental Protection

To help protect, we recommend taking the following points into consideration:

- Keep your generator clean and in good working order. Have it checked regularly and replace any deteriorated parts.
- Use a funnel to avoid spilling fuel when filling the tank.
- When draining the oil, make sure that the used oil is properly collected and disposed of.

When your generator has reached the end of its working life, return it to your retailer for recycling.

7. After sales service

For more information or for after sales service, please contact the vendor or check our website: www.sanli.co.uk.

An identification number can be found on the nameplate affixed to the generator and to the back of its instruction manual. Please quote this number when contacting the Dealer-Repairer for any request for replacement.

Use only original parts or those approved by SANLI UK.

8. Warranty

REGISTER YOUR MACHINE TO VALIDATE YOUR WARRANTY.

To validate your warranty, register your generator with SANLI UK after its purchase by returning the warranty card provided at the back of the user's manual or on the website: www.sanli.co.uk/register/.

SANLI UK guarantees the machine (engine included) for 24 months from the date of purchase.

SANLI UK guarantees the replacement of all defective parts due to fault or manufacturing defect.

In no case will the guarantee result in a refund of hardware or direct or indirect damages.

The liability of SANLI UK cannot in any case be sought for a value higher than that of the tool in question. In particular, SANLI UK declines all liability in case of any material or immaterial damage caused by this device.

To benefit from the After Sales Service under guarantee, the claimant has to contact an After Sales Centre approved by SANLI UK. The list of approved After Sales Centres is available on the website www.sanli.co.uk.

Present the machine together with your proof of purchase, showing the serial number or the duly completed warranty card.

The warranty does not cover:

- Improper use or use which does not conform to the manual,
- A lack of maintenance
- Professional or rental use
- The assembly, setting up or starting of the tool.
- Damage or loss resulting from the transport or movement of the tool
- Damages caused by an impact or fall
- The cost of transport or packaging materials (no costs incurred in sending the machine will be accepted by the after sales service)
- The user or the consumable parts (the tank cap, the recoil rope, the lids, filters, spark plug, petrol, etc.)

The warranty shall be automatically void in the event of:

- Modifications made to the machine without the express permission of SANLI UK
- Misuse which does not comply with the manual and / or regulations in force.
- The use of parts that are not original or approved.

EC DECLARATION OF CONFORMITY

Fujian Jinjiang Sanli Engine Co., Ltd.

Declares that the following equipment manufactured by Fujian Jinjiang Sanli Engine Co.,Ltd conforms to the following Directive(s):2006/42/EC,2004/108/EC and 2000/14/EC of the European Parliament and of the council on the approximation of the laws of the Member States relating to the noise emission in the environment by equipment for use outdoors.

Equipment Category – Petrol Engine generator

Product Name/Model:Petrol Engine Generator/GS2400

Type/Serial No.: N/A

Net installed power:196cc

The technical documentation is kept by:

Name:Mr.Liu Qingguo

Company: Fujian Jinjiang Sanli Engine Co., Ltd

Address: Wuli Industrial Park, Jinjiang, Fujian, 362263,P.R.China

The conformity assessment procedure followed was in accordance with annex VI of the Directive 2000/14/EC,and the Directive 2005/88/EC.

Notified Body:

Sociele Nationale de Certification et d'Homologation No,0499

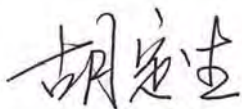
Measured Sound Power Level: 92dB(A)

Guaranteed Sound Power Level: 95dB(A)

A copy of this certificate has been submitted to the European Commission and to EU Member State UK.

Place of Declaration: Wuli Industrial Park, Jinjiang, Fujian, 362263,P.R.China

Date: 21/01/2011



Signed by: Mr.Hu Dingsheng

Position in Company : General Engineer

Name and address of manufacturer or Authorised representative:

Fujian Jinjiang Sanli Engine Co.,Ltd.

Wuli Industrial Park, Jinjiang, Fujian, 362263,P.R.China

Sanli also make...

Pertol chainsaws



CS37-40



CS45-45

Electric chainsaws



CE1800-40



CE2200-45

3 in 1 electric leaf blower



BEV2400

Sanli also make...

Electric lawnmowers



LE32



LE38

Petrol push lawnmowers



LS40



LS42

Self propelled petrol lawnmowers



LSP42



LSP46

Sanli also make...

Electric hedge trimmers



HER600-60



HE550-45

Electric grass trimmers



GTE450

Electric edge trimmer



GTE1000

Petrol generators



GS720



SANLI

GS2400

www.sanli.co.uk

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Unit 200
Milton Park Estate
Abingdon
Oxfordshire
OX14 4TB
www.sanli.co.uk

Postage
stamp
required



WARRANTY CARD

REGISTER YOUR MACHINE TO VALIDATE YOUR WARRANTY.

To validate your warranty, register your equipment with SANLI UK after its purchase by returning the warranty card provided at the back of the user's manual or on the website www.sanli.co.uk/register/.

Reference

GS2400

Serial Number

S/N



GUARANTEE



KEEP THIS PART

Referenc

GS2400

Purchase date

SANLI UK LTD
Unit 200
Milton Park Estate
Abingdon
Oxfordshire
OX14 4TB

www.sanli.co.uk

Serial Number

S/N

Surname

First name

Address

Town

Postcode

Country

Tel

Mobile

Email

By signing, the user certifies that:

- the instructions were provided and he/she has read the instructions regarding use, safety and maintenance;

- he/she has been provided with instructions to use the machine safely and correctly by the seller;

- he/she is aware of the conditions governing the guarantee contract and accepts them without reservation or restriction.

Customer No:

Imprint / Company Name

Address

Town

Check this box if you do not want to receive any commercial or technical information from SANLI UK.

Purchase date
Signature

USER

DISTRIBUTOR