



Precision Control. Maximum Performance.

**Bluetooth Installation, Operation & User Guide
Forward Facing Sonar Steering System**

www.livelock.co.za
info@livelock.co.za



Document Information

Item	Details
Document	Live Lock™ Bluetooth Installation, Operation & User Guide
Version	1.0
Firmware Compatibility	v1.4.1 or later
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Website	www.livelock.co.za

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Legal & Safety Information

Please read this manual carefully before installing or operating your Live Lock™ system. Failure to follow the instructions may result in product damage, vessel damage or personal injury.

WARNING: Do not rotate the Live Lock™ shaft by hand. Manually rotating the shaft may damage internal gears, servo drive components or electronic position sensing components.

WARNING: LOCK Mode, SWEEP Mode and SYNC Mode are only available when the trolling motor is deployed. If the trolling motor is stowed while one of these modes is active, the mode will automatically cancel.

IMPORTANT: Always ensure there is approximately 350° of unobstructed rotation before operating the Live Lock™ unit. Keep cables clear of moving parts.

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Welcome

Thank you for choosing Live Lock™.

Live Lock™ is a proudly South African designed and manufactured forward-facing sonar steering system, developed to give anglers precise, independent control of their sonar. Built with reliability, simplicity and performance in mind, Live Lock™ helps you spend less time adjusting your sonar and more time finding fish.

NOTE: We recommend reading this guide completely before operating the unit for the first time.



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What's in the Box

Before beginning installation, verify that all components are present and free from damage.



Live Lock™ Unit
Main steering unit



Wireless Remote
Handheld wireless controller



Wireless Foot Pedal
Foot-operated wireless controller



Stabilizer Mount
Supports the shaft when stowed



Power Cable
Connects to 12–24 V DC

TIP: Keep the original packaging until installation has been completed and the Live Lock™ system has been tested successfully.



Optional Accessories

Enhance your Live Lock™ system with the following optional accessories.



SYNC Module

Synchronizes Live Lock™ with trolling motor direction.



Zero Degree Mount

Maintains the transducer in a true forward-facing position.



Adjustable Perspective Mount

Allows quick adjustment between forward and perspective viewing modes.



Adjustable Multi-Angle Mount

Flexible perspective / zero-degree mounting option.



Any Angle Mount

Allows flexible mounting angle adjustment.



Single Cable Clips

Secure one cable neatly to the shaft.



Double Cable Clips

Secure two cables neatly to the shaft.



Garmin GLS 10 Holder

Dedicated holder for Garmin GLS 10.



Installation

Correct installation is essential for reliable operation and optimum performance. Before beginning, ensure the trolling motor is securely supported and switched off.

Check	Requirement
Mounting	Ensure all mounting hardware is securely tightened.
Rotation	Verify approximately 350° of unobstructed rotation.
Cables	Ensure cables cannot snag, wrap or pinch.
Power	Use a clean 12–24 V DC power supply.

Cable Routing

Route all cables so they cannot become trapped, wrapped around the shaft, or interfere with steering. Use cable clips where required to keep the installation neat and secure.

WARNING: Incorrect cable routing can cause cable damage, restricted rotation or damage to the Live Lock™ unit.

Installing the Stabilizer Mount

Stabilizer Mount Installation

i When stowed, the Live Lock pole rests on top of the mount.



Supplied Hardware

 4 x self-tapping screws	 1 x pop rivet
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1 Locate the correct spot on the deck to support the front of the Live Lock close to the transducer when stowed.



2 Mount the bottom of the stabilizer using the 4 supplied self-tapping screws.



3 Measure the distance to the Live Lock pole and cut the stabilizer shorter if needed.



4 Install the upper rest section.



5 Secure it with the supplied pop rivet.



✓ Installation complete. When stowed, the Live Lock pole rests on top of the mount.



Controls & Indicators

The Live Lock™ Bluetooth version uses an LED ring around the arrow to communicate operating status and system mode.



Wireless Remote

Handheld controller. Remote battery: CR2032.



Wireless Foot Pedal

Foot-operated controller. Foot pedal battery: CR2450.

Control / Indicator	Function
LED ring / arrow	Shows power, operating mode and system status.
LOCK button	LOCK, SYNC, pairing and save SYNC position.
SWEEP button	SWEEP mode, sweep speed and reverse SYNC direction with LOCK.
LEFT / RIGHT	Manual steering and cancels LOCK / SYNC.

Status Indicators

The LED ring around the clear arrow assembly indicates current system status. The clear surround illuminates, while the black arrow shows direction.

STATUS INDICATORS



STATUS INDICATORS

The LED ring around the arrow indicates the system status.



ARROW ASSEMBLY
Clear surround with black arrow.

LED RING
The illuminated ring around the arrow indicates system status.

State	Effect	Color
Manual idle	Slow pulse	White
Manual left	Running chase left	White
Manual right	Running chase right	White
LOCK	Slow pulse	Green
SYNC not ready / waiting	Slow flash	Violet
SYNC active	Slow pulse	Violet
SWEEP	Slow pulse	Cyan
Sweep speed indicator	Flash count	Cyan
OVERCURRENT	Fast flash	Red
TILT / STOWED	Pulse / flash	Amber
PAIRING	Running chase	White

LED ring status overview.

Understanding Live Lock™

Live Lock™ provides four operating modes, allowing you to choose the best method of controlling your forward-facing sonar.

Mode	Best For	Description
Manual Control	Precise positioning	Use LEFT and RIGHT to point the transducer exactly where required.
LOCK Mode	Holding a direction	Maintains the selected heading. It is not a target lock.
SWEEP Mode	Searching a wider area	Automatically scans a 90° arc centred on the selected direction.
SYNC Mode	Following the trolling	Automatically aligns the Live Lock™ unit with the trolling



	motor	motor direction.
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Using the Remote & Foot Pedal

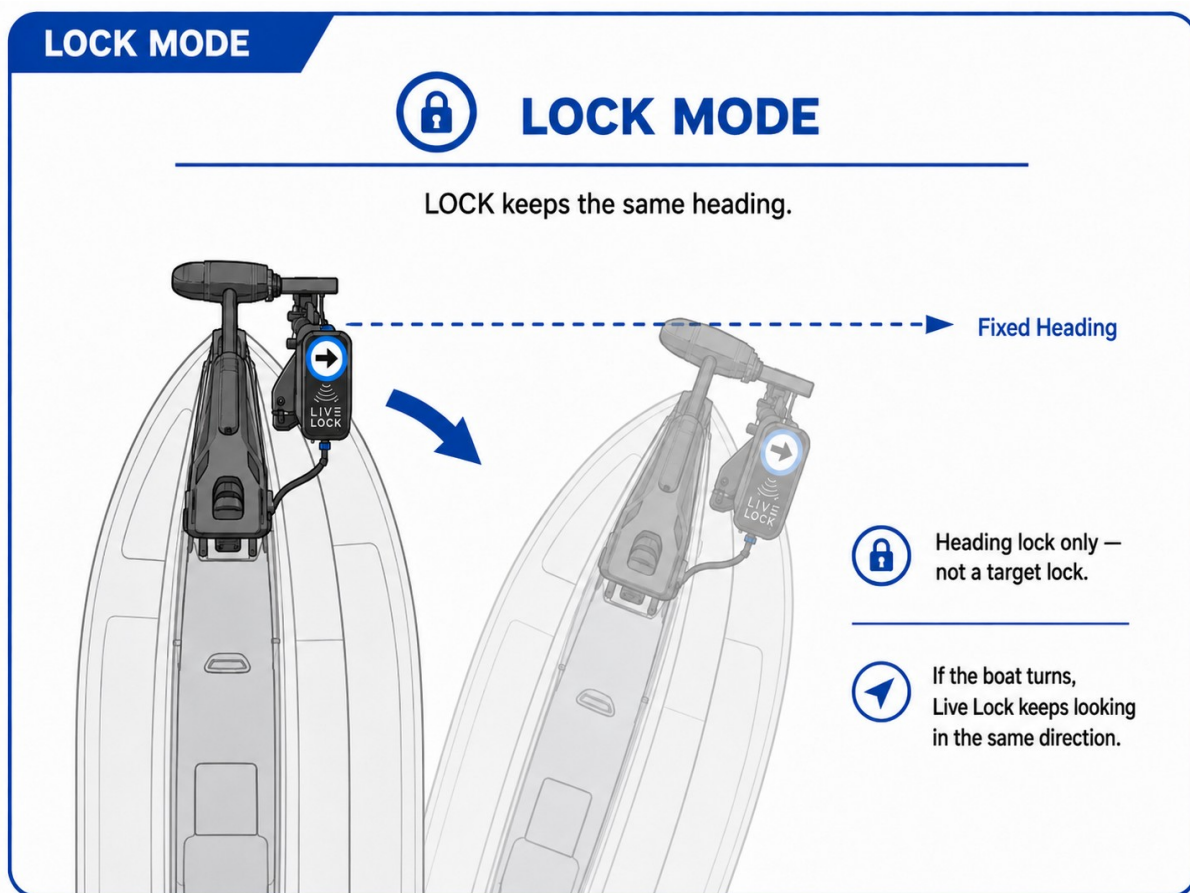
Both controllers perform the same functions, allowing you to choose the control method that best suits your fishing style.

Button	Action
LOCK	Press once for LOCK Mode. Hold for 2 seconds to save SYNC position. Hold for 10 seconds to enter pairing mode.
SWEEP	Press to activate SWEEP Mode and cycle sweep speeds.
LOCK + SWEEP	Press together to reverse SYNC direction.
LEFT / RIGHT	Manual steering. Cancels LOCK and SYNC.

IMPORTANT: Controller batteries must be in good condition for reliable operation. Remote uses CR2032. Foot Pedal uses CR2450.

LOCK Mode

LOCK Mode is a heading lock, not a target lock. When activated, Live Lock™ remembers the current direction that the transducer is pointing and automatically maintains that heading as the boat rotates.



LOCK Mode maintains heading only. It does not track fish, structure or a GPS position.

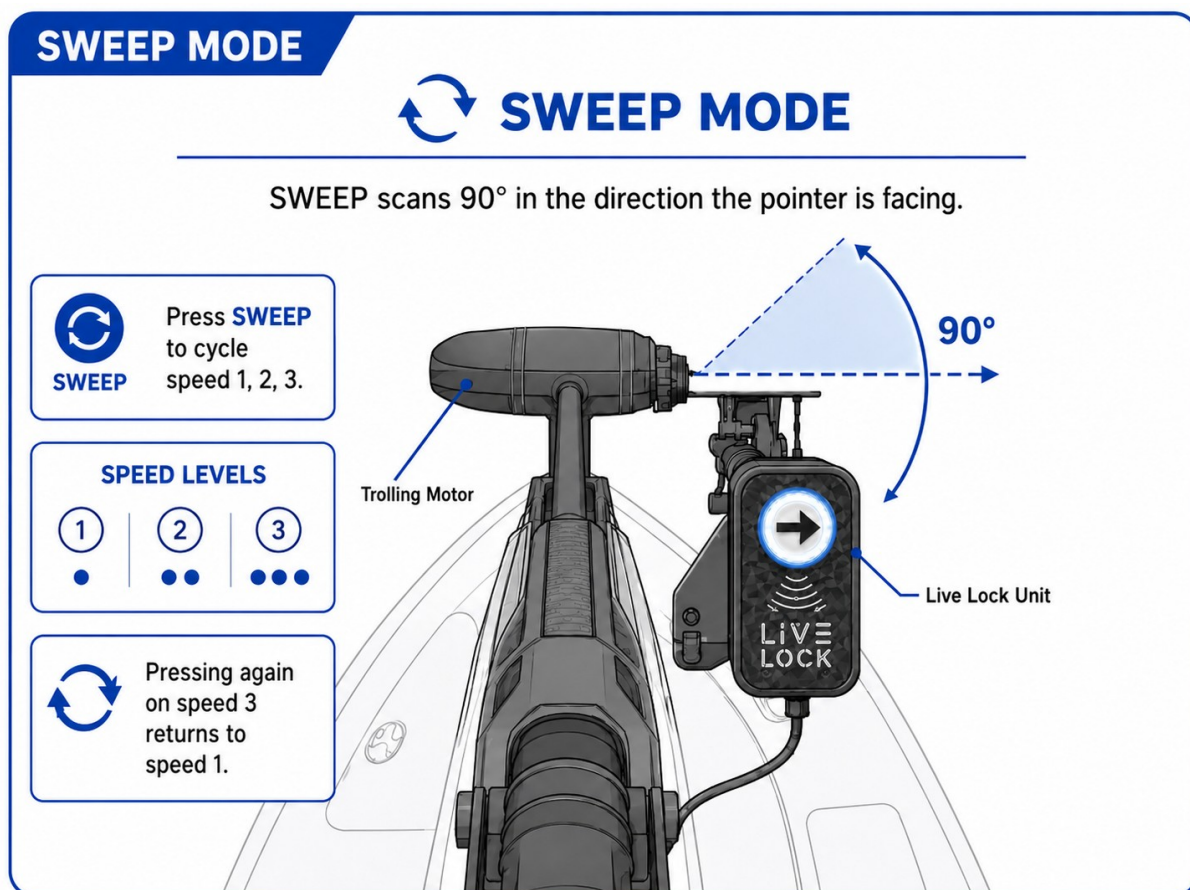
IMPORTANT: LOCK Mode does not automatically follow fish, structure, underwater objects or GPS positions. If the boat drifts forward, backward or sideways, the sonar will continue pointing in the selected heading rather than tracking a target.

To activate / cancel

Activate: point the transducer in the desired direction and press LOCK once.
Cancel: press LEFT or RIGHT to return to manual control.

SWEEP Mode

SWEEP Mode automatically rotates the Live Lock™ unit through a 90° scanning arc, allowing you to search a larger area without manually steering the transducer.



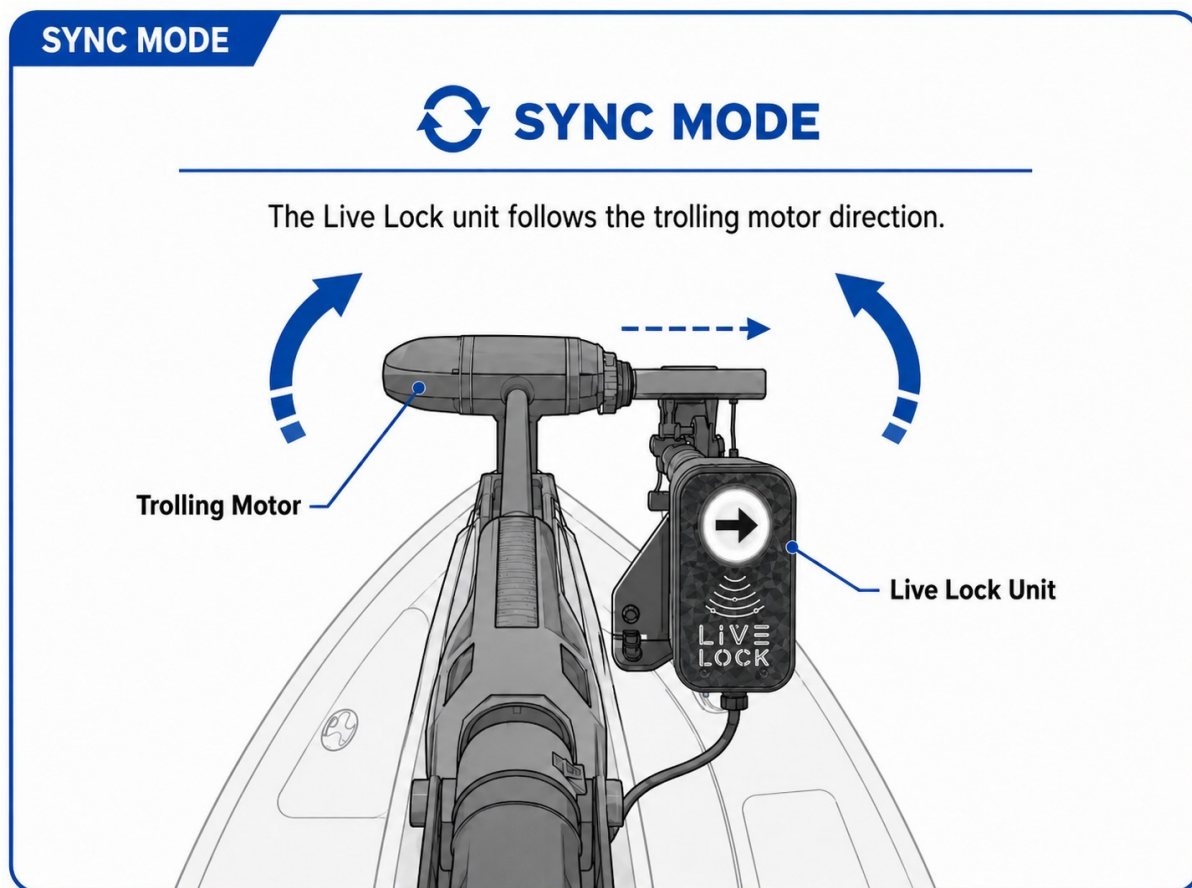
SWEEP Mode scans 45° left and 45° right of the selected direction.

LED Ring Flash Count	Sweep Speed	Recommended Use
1 Flash	Speed 1 (Slow)	Detailed scanning of structure and fish.
2 Flashes	Speed 2 (Medium)	General fishing and searching.
3 Flashes	Speed 3 (Fast)	Quickly scanning large areas.

NOTE: After Speed 3, pressing SWEEP again returns to Speed 1.

SYNC Mode

SYNC Mode automatically aligns the Live Lock™ unit with the direction of the trolling motor. As the trolling motor turns, the Live Lock™ unit follows.



SYNC keeps Live Lock™ aligned with the trolling motor direction.

Step	Action
1	Deploy the trolling motor.
2	Point Live Lock™ in the same direction as the trolling motor.
3	Hold LOCK for approximately 2 seconds to save the SYNC position.
4	Press LOCK again to activate SYNC Mode. The LED ring changes to violet.

IMPORTANT: The SYNC position is cleared when the system is powered off. Save the SYNC position again after each power cycle.

Wireless Controllers

The wireless remote and wireless foot pedal are factory paired before shipment. If pairing is lost or a controller is replaced, follow the procedure below.

PAIRING MODE

((•))

PAIRING MODE

1 Hold the **LOCK** button on the remote or pedal for 10 seconds.



OR

2 LED ring around the arrow runs in a white chase pattern.



3 Press any button on the remote or pedal until flashing stops.



✓

Paired successfully.

Pairing sequence overview.

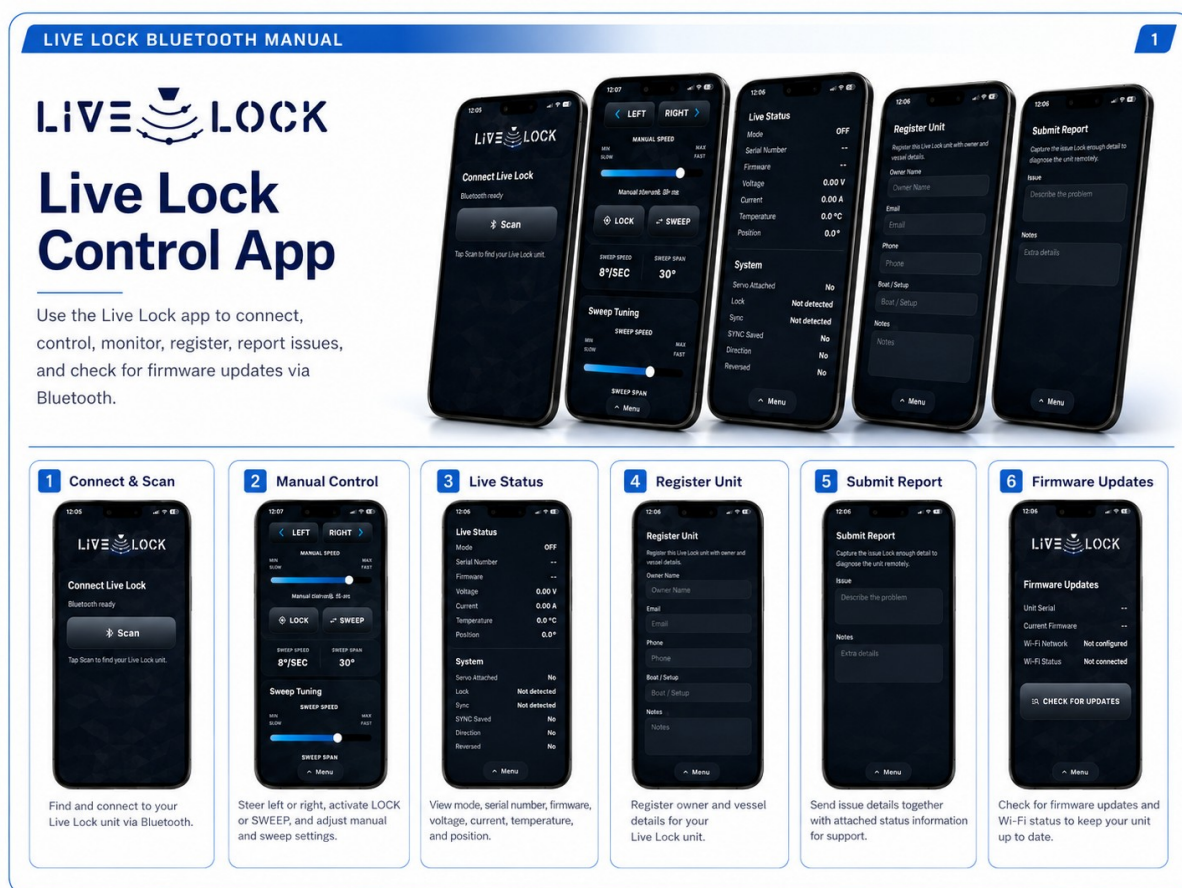
Controller	Battery Type
Wireless Remote	CR2032 lithium
Wireless Foot Pedal	CR2450 lithium

TIP: Carry one spare CR2032 and one spare CR2450 battery in your tackle box.



Live Lock Control App

Use the Live Lock Control app to connect to the Bluetooth version, control the unit, monitor live status, register the unit, submit reports, check for firmware updates and customise selected operating settings.



Live Lock Control app overview.

App-Only Features

The Bluetooth version adds extra setup and tuning options through the Live Lock Control app.

Feature	Description
Manual Speed Adjustment	Adjust the manual steering speed to suit your needs. This controls how fast the Live Lock™ unit moves when using LEFT or RIGHT.
Sweep Speed Adjustment	Adjust the sweep speed to suit your fishing style and conditions.
Sweep Span Adjustment	Adjust the sweep span up to 350 degrees, allowing a wider or narrower scan area depending on how you want to search.
Custom Button Functions	Allocate single tap and double tap functions to the LOCK and SWEEP buttons to match your preferred control setup.



Troubleshooting

Problem	Possible Cause	Solution
Live Lock™ will not power on	No power supplied	Verify the 12–24 V supply and wiring connections.
LED ring illuminated but unit does not respond	Controller battery depleted	Replace the controller battery and try again.
LOCK Mode cannot be activated	Trolling motor is stowed	Deploy the trolling motor.
SWEEP Mode cannot be activated	Trolling motor is stowed	Deploy the trolling motor.
SYNC Mode cannot be activated	SYNC position not saved	Save the SYNC position after power-up.
Live Lock™ follows the wrong direction	SYNC direction reversed	Press LOCK + SWEEP together.
Remote not responding	Flat CR2032 battery	Replace the CR2032 battery.
Foot pedal not responding	Flat CR2450 battery	Replace the CR2450 battery.

IMPORTANT: Do not attempt to disassemble the Live Lock™ unit. There are no user-serviceable components inside.



Specifications

Specification	Description
Operating Voltage	12–24 V DC
Operating Modes	Manual, LOCK, SWEEP, SYNC
Sweep Angle	90° total sweep angle
Sweep Speeds	3 selectable speeds
Wireless Controllers	Remote and Foot Pedal
Remote Battery	CR2032 lithium
Foot Pedal Battery	CR2450 lithium
Compatible Sonar Systems	Garmin LiveScope™, Lowrance ActiveTarget™, Humminbird MEGA Live™
Included Accessory	Stabilizer Mount
Optional Accessories	SYNC Module, Zero Degree Mount, Adjustable Perspective Mount, Adjustable Multi-Angle Mount, Any Angle Mount, Single Cable Clips, Double Cable Clips, Garmin GLS 10 Holder
Status Indication	LED ring around clear arrow assembly
Bluetooth App	Live Lock Control app
Firmware Updates	Via Live Lock Control app

Care & Maintenance

To ensure reliable operation and maximise the service life of your Live Lock™ system:

- Rinse with fresh water after use in saltwater.
- Clean with a soft cloth.
- Inspect mounting hardware regularly.
- Check cables for wear or damage.
- Store the system in the stowed position with the shaft resting on the Stabilizer Mount.
- Replace controller batteries when operating range decreases.

WARNING: Never rotate the Live Lock™ shaft by hand. This may damage the internal gears, servo system or position sensing components and is not covered by warranty.



Warranty & Support

Your Live Lock™ system is covered by a 12-Month Limited Warranty from the original date of purchase. The warranty covers defects in materials and workmanship under normal recreational use.

The warranty does not cover damage resulting from incorrect installation, accidental impact, misuse, unauthorised repairs, rotating the shaft by hand, incorrect voltage or reversed polarity, normal wear or cosmetic damage.

NOTE: Proof of purchase is required for all warranty claims.

Support	Details
Website	www.livelock.co.za
Email	info@livelock.co.za
Origin	Designed & Manufactured in South Africa

Quick Reference

Function	Action
LOCK Mode	Press LOCK once.
Save SYNC Position	Hold LOCK for approximately 2 seconds.
Activate SYNC Mode	Press LOCK again after saving the SYNC position.
SWEEP Mode	Press SWEEP.
Change Sweep Speed	Press SWEEP repeatedly.
Reverse SYNC Direction	Press LOCK + SWEEP together.
Enter Pairing Mode	Hold LOCK for approximately 10 seconds.
Cancel LOCK / SYNC	Press LEFT or RIGHT.
System Ready	LED ring slow pulses white in manual idle.
Connect App	Open the Live Lock Control app and tap Scan.



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