

Wireless Rig Floor Winch Controller

Operating Instructions

Compatibility and Interface Assurance

This system is specially designed and electrically/mechanically matched for SLB wireline logging trucks:

- **The provided connection cable fits directly into the SLB standard white winch remote-control socket—with matching connector type and pin layout.**
- **Internal signaling and power levels are fully aligned with SLB winch electrical specifications.**
- **No adapters, no rewiring, and no configuration required.**

 Just plug it in and go. This unit is a direct operational replacement for existing SLB remotes.

A. Unpack and Prepare the Kit

- Remove the kit from your bag or storage location.
- Open the box and verify the contents:
 1. 1 × Storage Case
 2. 1 × Handheld Remote Handle (Transmitter)
 3. 1 × Receiver Unit (with its beacon-connection cable pre-attached)
 4. 1 × Visual Beacon (with its own pre-attached cable)
 5. 1 × 1-meter Winch Connection Cable
 6. 1 x Handheld Antenna
 7. 1 x Receiver Antenna
 8. 1 × Quick Reference Guide (Optional).
- All components should be clean, dry, and free of visible damage.
- The receiver is automatically powered when connected to the logging truck via the included winch cable (plugged into the white socket).
- The handheld remote includes a USB-C charging port. Use any standard USB-C phone charger to recharge when needed.



B. Mount the Receiver, Beacon, and Connect to the Truck

- Choose a flat mounting spot in the logging cabin, ideally on the rear window facing the drum.
- Use double-sided tape to mount the receiver and then the beacon nearby.
- Connect the pre-attached cables between the receiver and beacon.
- Plug the winch connection cable into the receiver and the white remote-control socket on the truck.
- The receiver powers on automatically—no buttons needed. The system is now ready for operation.

C. Power On and Use the Remote Handle

- Press and hold the power button (marked with a symbol) until the **status light illuminates**.
- The handle will automatically link to the receiver if it's connected to the truck.
- Operating the Winch:
 - i. **Press and hold** the OUT, or IN, side of the top directional button with your thumb.
 - ii. While holding the direction, **press and hold** the speed-up button with your index finger.
 - iii. **Release the index finger** when desired speed is reached. To increase speed again, simply press the speed-up button again while holding the direction.
- Note: This version supports speed-up only. To reduce speed, release the direction and reapply.
- **To stop the winch**, release your thumb from the direction button. The winch stops instantly.

Two-finger coordination prevents accidental activation.

D. Operational Guidelines During the Job

- Keep the handle in hand or safely in your pocket—never place it on the rig floor.
- Use smooth, gradual input, especially when landing or lifting tools.
- Observe the beacon for a visual indication of drum movement.
- Stay alert to your surroundings and maintain one free hand for balance.
- Do not move or disconnect the receiver during operation.

E. Shutdown and Pack-Up Procedure

- Stop winch movement by releasing the thumb from the direction button.
- Hold the power button until the status light turns off.
- Disconnect the winch cable from the receiver and the white socket.
- Unplug the cable between receiver and beacon.
- Remove the mounted units and return all items to the kit box.
- Store the kit in your bag, ready for the next job.

F. Charging and Maintenance

- Charge the handle using any USB-C phone charger.
- Insert the charger into the USB-C port at the bottom of the handle.
- The power button will light up only if the battery has charge.
- A full charge takes about 1 hour.
- Do not use the handle while charging.

- Wipe with a dry cloth only. Avoid liquids and chemicals.
- Store in a dry, stable environment. Check connectors regularly.

G. Safety Tips and Best Practices

- Always stay alert during operation.
- Keep the handle with you—do not leave it unattended on the rig floor.
- Never attempt to press IN and OUT simultaneously—mechanical and software interlocks prevent this by design.
- Do not charge in hazardous or wet conditions.
- Fully disconnect all components before moving the system.
- Treat the kit like personal protective gear—inspect it, care for it, and keep it ready.
- Do not use a damaged unit—replace it with a spare if needed.

H. Built-In Safety Features

- Mechanical Interlock – Direction Button: Only one direction (IN or OUT) can be pressed at a time.
- Software-Level Protection: Commands are verified and filtered to reject conflicting inputs.
- Fail-Safe Stop Mechanism: Releasing the thumb stops the winch immediately.
- No Pocket Trigger Risk: Two-finger control eliminates accidental activation.
- Secure Pairing – No Cross Talk: Each handle and receiver pair is uniquely matched. Even in multi-kit environments, there's no cross-control thanks to address-based communication locking.