

# 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.



**Plug. Press. Control.**

Pre-configured and ready—no setup, no tools. Just plug the receiver into the winch port (there's only one correct way), power the handle, and press to lift or lower, and choose speed. The two-finger safety grip prevents mistakes, and the beacon lights up during motion. Make sure it's charged. Keep it on you—never on the rig floor.

## 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.