



Product Overview: Wireless Rig Floor Winch Controller Kit

- **Wireless Control of Logging Winch (Drum) in Remote Mode**

The device functions as a secure wireless controller that interfaces with the wireline logging truck's winch system when placed in remote mode. It allows the rig floor operator to precisely control the winch's movement—raising or lowering the cable and toolstring—without requiring direct access to the truck controls.

- **Operates on License-Free Wireless Band (915 MHz ISM Band)**

The system communicates over the license-free Industrial, Scientific, and Medical (ISM) band at 915 MHz, ensuring reliable long-range wireless operation within

Australian regulations. This **eliminates the need for additional frequency licensing** while maintaining robust performance on the rig floor.

- **Low-Power, Compliant Transmission**

The transmitter operates at a low output power of approximately 15 dBm, fully compliant with regional wireless communication standards. This ensures minimal electromagnetic interference while extending battery life—making the device efficient, safe, and environmentally friendly.

- **Reliable Long-Range Operation—Solving a Critical Workflow Issue**

Unlike existing remotes that suffer from poor connectivity and frequent dropouts, this system **guarantees a comfortably reliable control range of up to 100 meters**. This ensures stable operation even in challenging rig environments—eliminating the frustration of short-range remotes and allowing the operator to work confidently from their station on the rig floor.

- **Zero Setup Time – Plug & Play Kit for Any Remote-Enabled Truck**

The system is delivered as a compact, fully enclosed kit—**no installation, no wiring, and no technician required**. Operators can simply connect the receiver to any logging truck equipped with a remote-control port and begin working immediately. The transmitter unit is easily mounted inside the logging cabin (e.g., on the windshield), while the operator carries the handheld controller to the rig floor.

After the operation, both units are returned to the kit box and stored in a personal bag—making the **operator fully equipped and independent at any wellsite**. This eliminates logistical delays, technician scheduling, and unnecessary management load—giving your crew more uptime, more readiness, and greater peace of mind.

- **Compact, One-Handed Design for Safe and Practical Use on the Rig Floor**

Designed specifically for the dynamic and often hazardous rig environment, the handheld controller is compact and **lightweight—easily operable with one hand**. This allows the operator to keep one hand free for balance and safety while working near moving equipment. **The device fits comfortably in a pocket** when not in use and is engineered to prevent accidental activation—**no risk of “pocket calls.”** Unlike bulkier remotes currently in use, which are often tossed on the rig floor and risk water damage, this unit always stays safely with the operator—reducing loss, extending life, and improving safety through better control.

- **Integrated Safety Beacon for Visual Operation Feedback**

The kit includes a lightweight **visual beacon that activates automatically whenever the winch drum is in motion**—providing an immediate, high-visibility signal to enhance situational awareness and site safety.

The beacon connects directly to the compact receiver via a dedicated plug-and-play connector and can be easily mounted next to the receiver on the logger's rear window

using double-sided tape or other simple methods. Both the beacon and receiver are light enough to require no additional fixtures or installation tools.

No external antennas, no rigging, no technician needed—just mount, connect, and operate.

- **Rechargeable, Operator-Ready – No Downtime, No Cover to Open**

The handheld controller operates on **an integrated rechargeable battery**, eliminating the need to open the device or replace batteries in the field. Recharging is done via a standard USB port, ensuring compatibility with common charging setups found in vehicles and site cabins.

This design makes the system highly **operator-friendly—no tools, no spare batteries, and no hidden compartments**. It empowers field personnel to stay ready and fully mobile without depending on support staff or logistics. Simply charge, pack, and deploy.

- **Waiting, No Worries – Just Grab, Go, and Get the Job Done**

To top it all off, the kit is available in a variety of light colours to add a bit of fun and personalization to the job site. More importantly, it's ready now—no lead time, no special orders, no waiting three months for an overpriced replacement.

At a fraction of the cost, it's affordable enough to keep spares on the shelf. Break one? No problem—head back to the workshop and grab a new one. You'll always be covered, always in control, and **always ready**.

