



IGLAND

User manual

Radio control



Read through the entire manual before using the product. It contains important safety information.



nøsted &

Thank you for choosing a radio from IGLAND!

This user manual is designed to provide you with comprehensive information on the use, installation, safety, and maintenance of the equipment.

It is important that you read this manual carefully before using the machine.

The safety of our users is our top priority. This manual contains important information on how to use the machine safely and avoid potential hazards.

To ensure your safety, we want you to be aware of and consider that accidents, misuse, and equipment failure can lead to dangerous situations. It is important that you position yourself during work so that any accident does not result in personal injury.

The instructions provided in this manual must always be followed. Careless or incorrect use can result in serious injury or death. Modifications or other alterations to the original design of the product are made at your own risk and responsibility. It is important to note that any modification or alteration of the product will void the warranty.

For a valid warranty, please remember that the acceptance form supplied with the product must be returned within 14 days.

If you have any questions or need assistance, please contact our service center at +47 479 20 192. Always state the type, serial number, and year of manufacture when making inquiries and ordering parts.

We are here to help you have a safe and enjoyable user experience.

Product
IG095232
IG091174
IG091175
IG091178
IG095390
IG095391

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AI-translated from the original user manual

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1. SAFETY INSTRUCTIONS

1.1 General safety instructions

To ensure safe use of the winch, it is important to follow our safety instructions carefully.

- **Read the user manual:** Before using the winch and any additional equipment, read and review the user manual carefully to understand proper use and maintenance.
- **Area of use:** Never use the winch for lifting or other tasks for which it is not designed. The winch is only to be used for pulling timber. The manufacturer is not liable for damage or destruction caused by misuse of the equipment.
- **Safety distance:** Always observe safety distances and ensure that you maintain a safe distance from moving parts during operation.
- **Operation:** Familiarize yourself with the controls and functions of the winch. Ensure that only qualified and trained personnel use the equipment.
- **Personal protective equipment:** Always wear the necessary personal protective equipment, including a helmet, safety goggles, gloves, and safety shoes during operation.
- **Risk of crushing:** Be aware of the risk of crushing from all moving parts.
- **Risk of overturning:** Always be aware of the risk of overturning. Keep the tractor in a stable position.
- **Emergency preparedness:** Keep first aid equipment, fire extinguishers, and emergency numbers readily available in case of an accident or emergency.
- **Modifications or other alterations** to the original design of the product are made at your own risk and responsibility. It is important to note that any modification or alteration of the product will void the warranty.
- **Inspect the winch and its components regularly** for signs of wear, damage, or loose parts and screws. Replace worn or damaged parts with components approved by the manufacturer. All damage must be repaired before the winch can be used again.
- **Only use steel cables with sufficient strength.** Low-quality steel cables can cause serious damage if they break. If there is visible damage to the steel cable, replace it immediately.
- **Lubricate the winch regularly** as recommended by the manufacturer.
- **Keep a record of maintenance and repairs** carried out on the winch.

1.2 Safe use

- **Follow safety rules** to limit and prevent accidents.
- **Only use the winch** for its intended purpose.
- Never use steel cables that are not of sufficient strength. Never **stand below the timber** and **tractor when** winching on sloping **terrain**, or between the winch cable and the tractor when pulling.
- **Never stand** below the timber and tractor when winching on sloping terrain, or between the winch, timber, and tractor when pulling.
- **Keep a safe distance** from timber being pulled in. Stumps or other obstacles can cause the timber to tip up or sideways.
- **Make smooth and steady movements.** Avoid sudden jerks and jolts when using the winch.
- **Do not overload** the winch's rated capacity or the tractor's towing capacity.
- **Do not pull at an angle greater than 30 degrees to the side.** Sloping terrain increases the risk of tipping.
- **Always use the parking brake** when pulling uphill.
- **Keep away from the PTO shaft and other moving parts** that may cause a risk of crushing or entanglement.
- **Be especially careful when pulling heavy loads**, as this can cause the tractor to shift or tip over.
- **Ensure that all bystanders** are at a safe distance from the tractor and winch during use.
- **Never touch** steel cables, pulleys, or other components that are moving or under tension.
- **Avoid wearing scarves and other loose clothing** that could get caught in the PTO shaft and other equipment.
- **Be particularly careful** when working in extreme weather conditions, such as heavy rain, snow, or strong winds, as this can increase the risk of accidents.



1.3 Storage

- Store the winch in a dry and secure place.
- Prevent children from climbing or playing on or near the winch.
- Park the winch on a firm and level surface when it is stored or not in use.

1.4 Checklist before use

- Always inspect the winch for wear and damage before use. Any damage must be repaired by qualified personnel before the equipment is used again.
- Ensure you have a full overview of the work area.
- Keep children away from the work area.
- Ensure that covers, guards, and components are in good condition and properly installed.
- Inspect hydraulic hoses and couplings (optional) for leaks and ensure that they are secure.
- Lubricate the machine as specified by the manufacturer.
- Check that the winch does not retract when the operating cable is not tightened.
- Check that the radio control (optional extra) is working properly.
- Ensure that all moving parts are clean enough for use and are not obstructed by branches or wood chips.
- Follow safety rules to limit and prevent accidents.

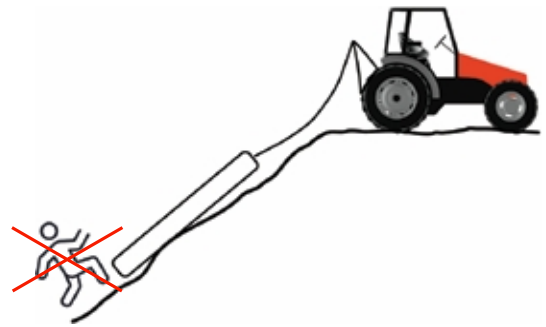


1.5 Safe Operation

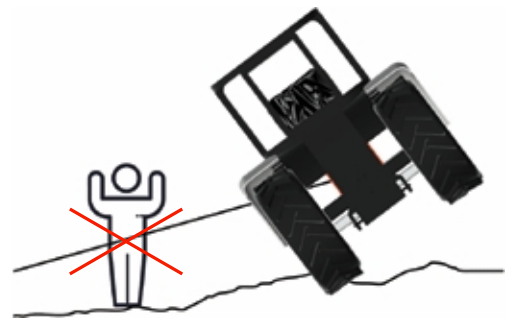
- Never use the winch for lifting or other tasks for which it is not designed. The winch should only be used for pulling timber.
- Avoid standing below the timber and tractor when winching on sloping terrain.
- **Always use the pawl brake when pulling uphill, if the winch has a pawl brake.**
- Avoid sudden jerks and jolts when using the winch.
- Be careful when pulling heavy loads, as this can cause the tractor to shift or tip over.
- Do not pull at an angle greater than 30 degrees to the side. Pulling at an angle increases the risk of tipping.
- Ensure that the tractor is in good condition and perform regular maintenance checks.
- Do not overload the winch's rated capacity or the tractor's towing capacity.
- Never stand between the winch load and the tractor when pulling.
- Ensure that all bystanders are at a safe distance from the tractor and winch during use.
- Keep a safe distance from timber being pulled in. Stumps or other obstacles can cause the timber to tip up or sideways.
- Store the transmitter in a manner that prevents unwanted activation of buttons. Turn off the transmitter if it cannot be handled safely when not in use.



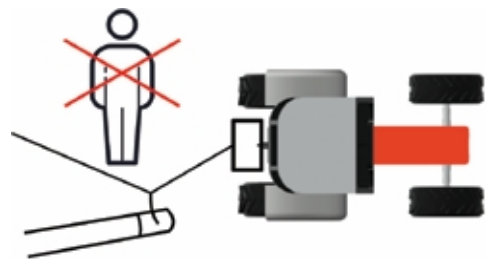
- Do not touch steel cables, pulleys, or other components that are moving or under tension.
- Keep away from the PTO shaft and other moving parts that pose a risk of crushing or entanglement.



15.1 Do not walk behind a log trailer on steep slopes.



15.2 Do not position yourself in such a way that you are at risk if the tractor or other equipment overturns



15.3 Do not stand in the angle between the winch, timber, and pulley block.



15.4 When using a winch to fell trees, avoid standing in the tree's path of fall

2. MAIN COMPONENTS



No. Main Components

1. Transmitter
2. Receiver
3. Cable
4. 7-pin/13-pin plug
5. DIN connector to solenoid valve (IG095232 only)

3. TECHNICAL SPECIFICATIONS

Common specifications	
Batteries (transmitter)	3x 1.5V AAA (included)
Voltage (receiver)	12V DC
Antenna	Integrated
Frequency	2.4GHz

Igland Radio				
Product No.	Winches	Features	Pullmatic	Connection socket
IG095232	3501 4501 42 52	1	-	7-pin (tractor) DIN connector (solenoid valve)
IG091174	42s 52s 55A 60	2	55A, 60	7-pin
IG091175	65H 85H	2	Yes	13-pin (standard) 7-pin (optional)
IG091178	5002 6002 9002	6	No	13-pin (standard) 7-pin (optional)
IG095390	6002 9002	6	1 drum	13-pin (standard) 7-pin (optional)
IG095391	6002 9002	6	2 drums	13-pin

4. CONNECTION TO RECEIVER

Turn on the tractor's parking or driving lights so that the radio receives power from the trailer connector. The receiver is placed in the tractor cab.

4.1 Radio with one function

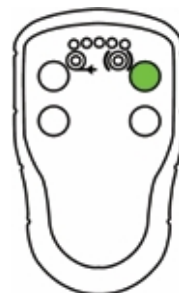
Connect the 7-pin plug to the tractor's trailer socket. Connect the DIN connector to the valve, with the rubber gasket in between. Secure the connector with the screw.

4.2 Radio with multiple functions

The cable from the winch with a 7-pin plug is connected to the tractor's trailer socket. The radio is connected to the 7/13-pin connector that is permanently mounted on the winch.

5.2 Braking on radios with two functions

Braking is operated using the upper right button. See description below.



5.21 Free brake

5.3 42S, 52S, 55A, 60

Hold down the upper right button for approx. two seconds to release the brake. The brake remains released when the button is released. To reactivate the brake, press the retract button until the brake engages (approx. 1 second).

5. OPERATING THE TRANSMITTER

Read the winch manual before use! Turn on the transmitter using the switch on the back.

5.4 55A - 60 with Pullmatic

Hold down the upper right button to release the cable. Release starts after approx. 2 seconds. Release stops when the button is released, but the brake remains released.

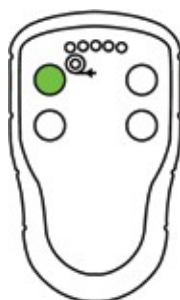
5.5 65H - 85H

Hold down the upper right button to release the brake. The brake is reapplied when the button is released. With short presses, this function can be used to lower the load in a controlled manner.

If the winch is equipped with a pullmatic, it will reel out the cable as long as the button is held down. The reeling stops when the button is released and the brake is reapplied.

5.1 Retraction on radio with one or two functions

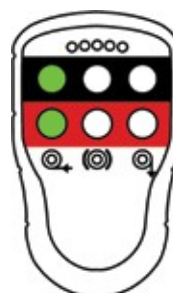
Hold down the upper left button to retract. Release to stop retraction. Be aware of the delay between releasing the button and the load stopping!



5.1.1 Retraction

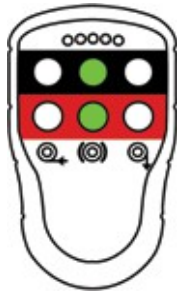
5.6 Two-drum winch

The black field controls the right side of the winch (black port), and the red field controls the left side of the winch (red port).



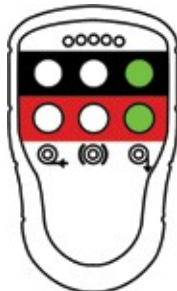
5.6.1 Retraction

Hold down the left button to retract. Release the button to stop retraction. Never retract both drums with a load at the same time!



5.6.2 Free brake

Hold down the right button to temporarily release the brake. The brake is reapplied when the button is released. With short presses, this function can be used to lower the load in a controlled manner.



5.6.3 Free brake

If the winch is equipped with a pullmatic, it will reel out wire as long as the button is held down. Reeling stops when the button is released and the brake is reapplied.

6. STORAGE AND MAINTENANCE

The receiver must be stored in a dry place, even during use. The transmitter must be stored in a dry place when not in use.

Use contact spray on the contacts if they are exposed to a lot of moisture.

Replacing the batteries in the transmitter

When the battery level is low, the middle LED will light up red. Loosen the five screws on the back of the transmitter and remove the cover. Remove the old batteries and insert 3 x 1.5V

AAA batteries. Screw the cover back on. Used batteries should be taken to a recycling station or store that accepts them.

7. EXTRA EQUIPMENT

Throttle control on/off (IG091442)

The control is automatically activated when the winch retracts, in order to achieve higher torque and speed on the tractor's PTO.

Attach the actuator to a suitable location on the tractor and attach the cable to the accelerator pedal using cable clamps and pulleys if necessary. The throttle control signal cable is connected to the winch's wiring harness.

If the winch does not already have a signal cable for throttle control, this can be connected to the winch's 7/13-pin connector. On single-drum winches, the signal is taken from pin no. 2, which gives the signal to engage/retract. On two-drum winches without pullmatic, the signal is taken from pole no. 4. On single-function radios, the signal can be taken via the single cable that goes to the winch.

8. TROUBLESHOOTING

Turn off the tractor's PTO before troubleshooting!

See the figure below for the positions of buttons and diodes.

If the winch does not work with radio control, the following can be checked:

- If the winch is supplied with a cable button control, check whether the winch works when this is used instead of the radio.
- Check the batteries in the transmitter.
- Check whether the diode on the transmitter lights up when the buttons are pressed.
- Check that there is voltage in the trailer socket on the tractor.
- If the winch is equipped with LEDs on the valve connectors, check whether they light up when the buttons on the transmitter are pressed. If not, measure the voltage in the connector or listen for clicking in the valves.
- Check whether the voltage diode (B) in the receiver is lit, indicating that it is connected to a power source.
- Measure the voltage on the cable leading to the receiver.
- Check whether the relay diodes (A) in the receiver are lit and whether the relays click when the buttons on the transmitter are pressed.
- Try to connect the transmitter and receiver.
- Check that there is no moisture or other damage to the transmitter or receiver.

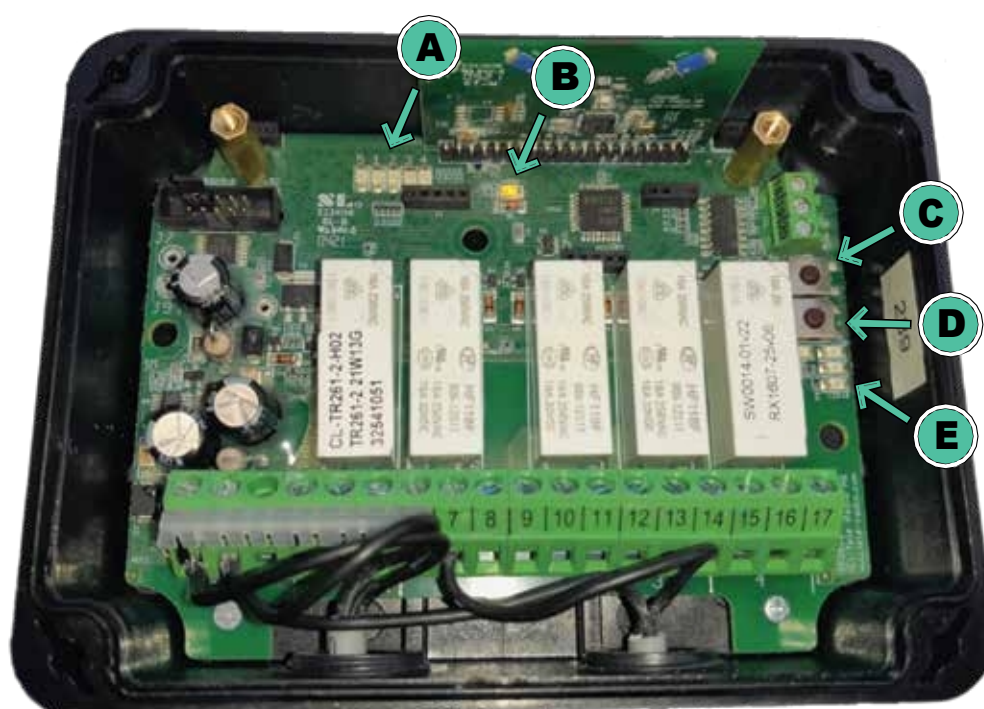
8.1 Connecting the transmitter and receiver

See the figure below for the positions of the buttons and diodes.

1. Unscrew the cover on the receiver by loosening the four screws.
2. Press the function button (C) on the receiver so that the red function diode (E) lights up.
3. Press the select button (D) on the receiver so that all relay diodes (A) light up red.
4. Press and hold buttons 1 and 2 on the transmitter:
 - Upper left and right on transmitters with 4 buttons.
 - Upper left and middle on transmitters with 6 buttons.
5. When the relay diodes (A) flash three times, release buttons 1 and 2.

8.2 Remove transmitters registered in the receiver

1. Press the function button (C) on the receiver so that the red function diode (E) lights up.
2. Press and hold the select button (D) on the receiver. All relay diodes (A) light up red.
3. Release the select button (D) when the relay diodes (A) go out.



A = Relay LEDs
B = Voltage diode
C = Function button
D = Select button
E = Function diode

8.2 Radio receiver

NOTES

NOTES



IGLAND Workshop and Service Center

Our Workshop and Service Center in Mandal provides technical support for all our products.

We service and repair older and well-used winches. This extends the life of the products and is good for the environment.

Do you need:

Technical support for timber trailers

Accessories or additional equipment

An appointment for service or repair of a

winch Call our service office on +47 372 56 200

Email: service.igland@nosted.com

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