

Joystick Remote Control RJP

For Proteus Motorised Reel



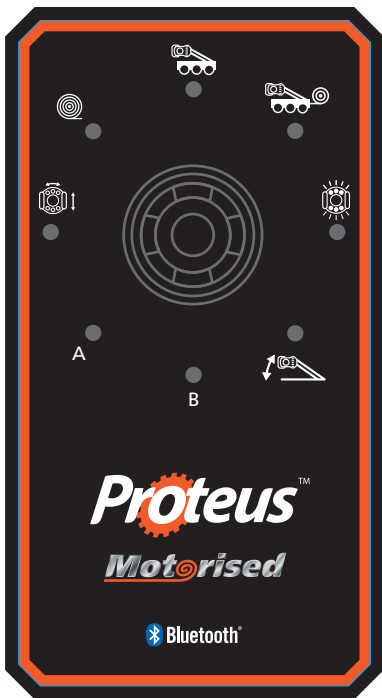
Original Instruction Manual

Version C

PROTEUS

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Please Note:

For the purpose of this Instruction Manual

Motorised Cable Reel is abbreviated to **MCR**

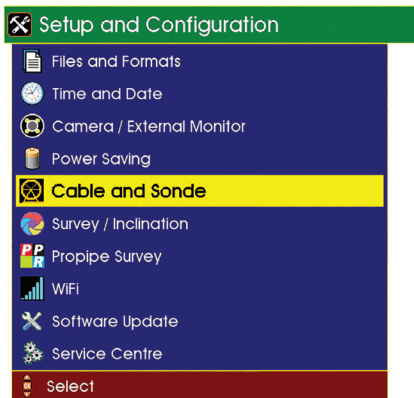
Control Unit is abbreviated **CCU**

The Joystick Remote Control (RJP) is used to control a Crawler and Motorised Cable Reel (MCR) remotely using Bluetooth® technology. The MCR can be controlled directly without the presence of the Control Unit (CCU) after the “pairing” process has been completed.

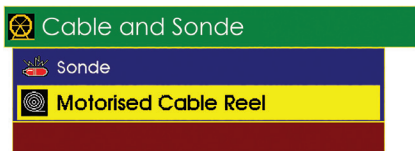
Pairing RJP with MCR

In order to pair the RJP with the Bluetooth® capable MCR, a CCU with software no older than Version 6.1.0 is required.

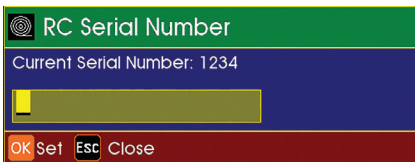
- 1 Select **Cable and Sonde** from the **Setup and Configuration** drop-down menu. If the menu is not visible then the CCU requires a software update (see above).



2 Select **Motorised Cable Reel** from the list.



3 The RJP Control **Serial Number** has to be entered in the input box presented to the user.



The **Serial Number** can be found on the label attached to the back of the RJP.



4 Press the **OK** button on the CCU's keyboard.

- 5 After 2 seconds the **Current Serial Number** should indicate the recently entered serial number.

After completing these steps, the MCR is ready to operate with the RJP. The process needs to be repeated only if a new RJP with a different serial number has to be used. Only one RJP can be paired with a specific MCR at one time.

Connecting RJP

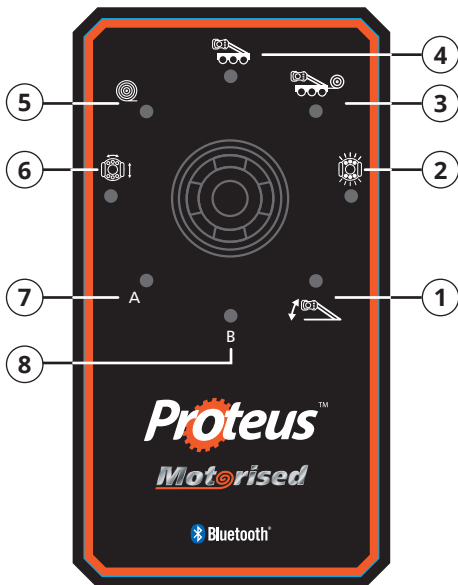
- 1 Switch the RJP **ON** by pressing the joystick button. The RJP will make a beep sound and start flashing the green LEDs rapidly until it connects to the MCR. Once the connection is successful, all the LEDs will go solid green for a second, and then switch off. Then the device will move to the Mode selection (see page 10).
- 2 If all the green LEDs keep flashing, it indicates that the RJP is not able to connect to the MCR. Please ensure that pairing with the RJP (page 5) has been completed and the correct serial number has been entered.
- 3 If the LEDs first flash red, this is an indication that the **battery is getting low**, normal operation will be allowed, but the unit should be recharged as soon as possible. If the battery is critically low, the LEDs will flash red, the unit will switch off and operation will not be allowed. **The unit should be recharged.**

RJP operational range and disconnection

The RJP will operate up to 5 metres from the MCR. If the path between the RJP and the MCR is obstructed, or it is further than 5 metres, the RJP will disconnect. Disconnection is indicated

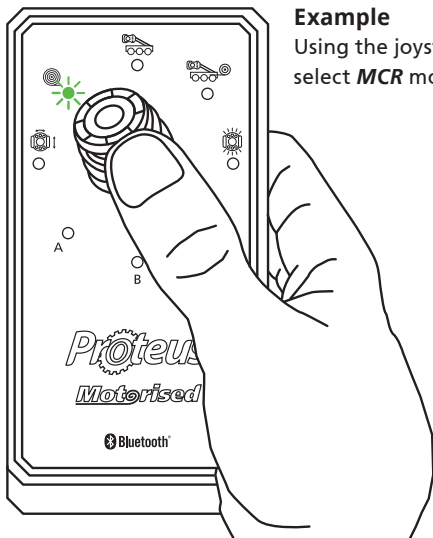
by a short beep and all the LEDs flashing green. The RJP will immediately try to reconnect to the MCR, and if it succeeds the green LEDs will go solid for a second and then switch off. Then the device will continue with the previously selected mode if reconnected in less than 10 seconds.

Modes



- | | |
|------------------------------|---------------------------|
| 1 Crawler Arm | Raise / Lower |
| 2 Illumination | Lights |
| 3 Crawler with MCR | Crawler and Cable Reel |
| 4 Crawler without MCR | Crawler ONLY |
| 5 MCR | Motorised Cable Reel ONLY |
| 6 Camera | Pan and Rotate |
| 7 Function A | Camera Focus / Zoom |
| 8 Function B | Unused |

Mode selection

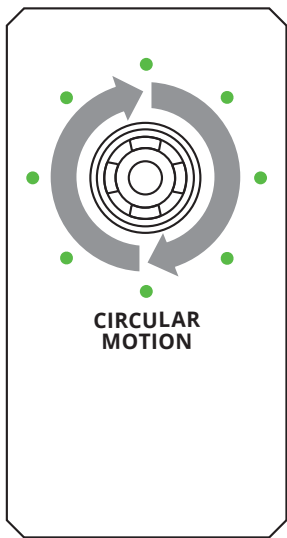
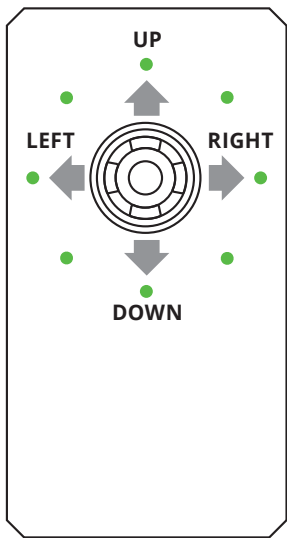


Example

Using the joystick to select **MCR** mode

After a successful connection to the MCR, RJP will display all the modes allowed on the CCU, by flashing their corresponding green LEDs. To select one of the available modes, user should directionally move the joystick (see example above) to the selected position and press the button or hold the joystick in place for 2 seconds. After the mode has been selected a short beep will be played and the corresponding LED will turn solid green, all other LEDs will turn off. The joystick will start operating the mode after it returns to the central position. To go back to the mode selection the joystick needs to be in the centre and the button held for 2 seconds until the beep is sounded.

Joystick positions and movement



Modes



Crawler Arm Mode Raise Lower

Joystick Position	Function
↑ UP	ARM RAISE
↓ DOWN	ARM LOWER
→ RIGHT	UNUSED
← LEFT	UNUSED
● BUTTON	ARM PARKED FULLY DOWN



Illumination Mode Lights

Joystick Position	Function
↑ UP	CAMERA, OR BACKEYE LIGHTS INCREASE
↓ DOWN	CAMERA, OR BACKEYE LIGHTS DECREASE
→ RIGHT	CRAWLER AUX LIGHTS INCREASE
← LEFT	CRAWLER AUX LIGHTS DECREASE
● BUTTON	TOGGLE BETWEEN MAIN CAMERA AND BACKEYE CAMERA

Modes



Crawler with Auto MCR Crawler and Cable Reel

Joystick Position	Function
A circular icon with two arrows forming a circle, indicating a joystick position for direction and speed.	CRAWLER DIRECTION AND SPEED, WITH AUTOMATIC CONTROL OF MCR PAYOUT OR REWIND
● BUTTON	DISENGAGE CLUTCH








Crawler without Auto MCR Crawler ONLY

Joystick Position	Function
A circular icon with two arrows forming a circle, indicating a joystick position for direction and speed.	CRAWLER DIRECTION AND SPEED, MCR CONSTANTLY PAYS OUT WHEN CRAWLER MOVEMENT IS REQUESTED
● BUTTON	DISENGAGE CLUTCH

Modes





MCR (Motorised Cable Reel) Mode Cable Reel

Joystick Position	Function
 UP	CABLE PAYOUT
 DOWN	CABLE REWIND
 RIGHT	UNUSED
 LEFT	UNUSED
 BUTTON	UNUSED



Camera Mode Pan & Rotate

Joystick Position	Function
	CAMERA DIRECTION
 BUTTON	CAMERA HOME

Modes

Function A Mode Camera Focus / Zoom

Joystick Position	Function
↑ UP	ZOOM IN
↓ DOWN	ZOOM OUT
→ RIGHT	FOCUS IN
← LEFT	FOCUS OUT
● BUTTON	UNUSED

Function B Mode (Not in use)

MCR only and ALL STOP!

In the instance when:

- MCR is operating without CCU, or
- on the CCU **ALL STOP!** is active, or
- no Crawler connected

the Joystick will default to the MCR mode. No other mode can be selected. Holding the button in the centre for 2 seconds will turn the Joystick off.

MCR blocked and Emergency Stop button pressed

- The RJP will alert a user of the cable being blocked or the MCR Emergency Stop button being pressed, by flashing the (5) LED (see page 9) red and bleeping twice per second.
- The user can move the joystick to the MCR Position and hold the button for 2 seconds. The Emergency Stop button has to be released first.

CCU and RJP interactions

The RJP and CCU cannot both operate the crawler or the MCR at the same time. If this happens a warning will be sounded on the RJP and the CCU, and they will both stop operating. The RJP's LEDs will also flash red rapidly. The keys and joysticks on both devices need to be released for at least 2 seconds before normal operation can continue.

Charging the battery

When the joystick remote is being charged, for safety reasons it stops operating the crawler or MCR and starts displaying the battery state. The LEDs will show approximate state of the battery charge.

If all the LEDs are lit it means 100%, if no LEDs are lit it is 0%. To start using the remote simply unplug it from the charger.



PLEASE NOTE the battery cannot be charged in temperatures below freezing. Joystick will operate as normal if placed in charger, in conditions below freezing.

Accessories

The following accessories can be purchased separately from Minican or your Local Minican Dealer.

Multi Region USB Mains Power Plug

Minican Part Number: PSU-005-171

USB Cable

Minican Part Number: CAB-005-172



Proteus MCR Remote Control Holder

Minican Part Number: ASS-004-440





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