# 4 Button
# Remote Control
# RCP4
## For Proteus Motorised Cable Reel

# Original
# Instruction Manual

**Version D**

PROTEUS

**Please Note:**
For the purpose of this Instruction Manual
**Motorised Cable Reel** is abbreviated to **MCR**

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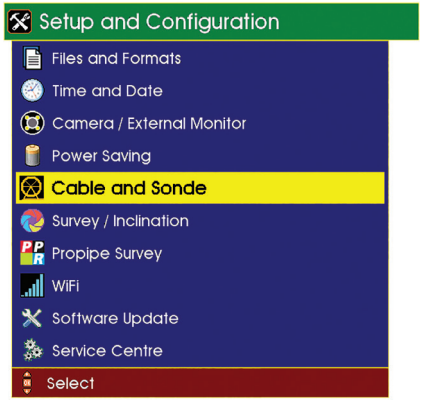
**The four button Remote Control (RCP4) is used to control a Crawler and Motorised Cable Reel (MCR) remotely using Bluetooth® technology. The MCR can be controlled directly without the presence of the Control Unit (CCU) after the "pairing" process has been completed.**

## Pairing RCP4 with MCR

In order to pair the RCP4 with the Bluetooth® capable MCR, a CCU with software no older than revision 5.3.7 (date 06/09/2017) is needed.

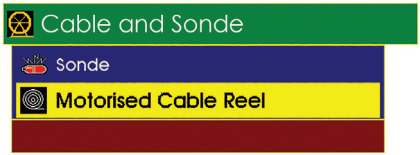
1 Select **Cable and Sonde** from the **Setup and Configuration**. drop-down menu. If the menu is not visible then the CCU requires a software update.



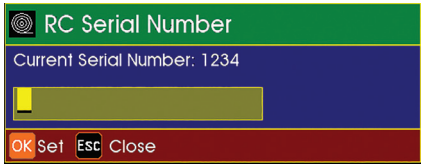
## RCP4 Buttons and icons

**1** Status LED
**2** Reel Paying Out Button
**3** Reel Rewind Button
**4** Crawler Reverse Button
**5** Crawler Forward Button

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




**3** The RCP4 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 RCP4.

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

## RCP4 Buttons and icons

**1** Status LED
**2** Reel Paying Out Button
**3** Reel Rewind Button
**4** Crawler Reverse Button
**5** Crawler Forward Button

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

After completing these steps, the MCR is ready to operate with the RCP4. The process needs to repeated only if a new RCP4 with a different serial number has to be used. Only one RCP4 can be paired with a specific MCR at one time.

## Connecting the RCP4

1 Switch the RCP4 **ON** by pressing any button. The RCP4 will make a beep sound and start flashing the green LED rapidly until it connects to the MCR. Once the connection is successful the LED will go solid for a second and then switch off.

2 If the green LED keeps flashing it indicates that the RCP4 is not able to connect to the MCR. Please make sure the pairing with the RCP4 (page 5) has been completed and the correct serial number has been entered.

## RCP4 Operational range and disconnection

The RCP4 will operate up to 5 metres from the MCR. If the path between the RCP4 and the MCR is obstructed, or it is further than 5 metres, the RCP4 will disconnect. Disconnection is indicated by a short bleep and flashing green LED. The RCP4 will immediately try to reconnect to the MCR, and if it succeeds the green LED will go solid for a second and then switch off.

## RCP4 Buttons and icons

**1** Status LED
**2** Reel Paying Out Button
**3** Reel Rewind Button
**4** Crawler Reverse Button
**5** Crawler Forward Button

## Buttons

**1 Crawler Buttons**

**a** Press and hold the **Crawler Forward** button (**5**) to command the crawler to move forwards at a fixed speed.
The MCR will pay-out the cable at the same time.

**b** Press and hold the **Crawler Backward** button (**4**) to command the crawler to move backwards at a fixed speed. The MCR will pay-out the cable. The MCR won't rewind the cable, to make it easier to position the crawler using the RCP4.

**2 MCR Buttons**

**a** Press and hold the **Reel Pay-Out** button (**2**) to command
the motorised cable reel to pay-out the cable.

**b** Press and hold the **Reel Rewind** button (**3**) to command
the MCR to rewind the cable.

## MCR blocked and Emergency Stop button pressed

**a** The RCP4 will alert a user of the cable being blocked or the MCR **Emergency Stop** button being pressed, by flashing the red LED and bleeping twice per second.

**b** The user can press and hold both cable reel buttons (**2**)and (**3**) for 5 seconds to clear the alert. The Emergency Stop button has to be released first.

## RCP4 Buttons and icons

**1** Status LED
**2** Reel Paying Out Button
**3** Reel Rewind Button
**4** Crawler Reverse Button
**5** Crawler Forward Button

## CCU and RCP4 interactions

The RCP4 and CCU cannot both operate the crawler or the MCR at the same time. If this happens a warning will be sounded on the RCP4 and the CCU, and they will both stop operating the MCR. The RCP4's red LED will also flash rapidly. The keys on both devices need to be released for at least 2 seconds before normal operation can continue.

## All Stop pressed

The crawler buttons (**4**) and (**5**) will stop operating the crawler, but the Reel buttons will still operate.

## No CCU present

The crawler buttons (**4**) and (**5**) will stop operating the crawler, but the Reel buttons will still operate

## Charging the Battery

When RCP4 is being charged, for safety reasons it stops operating the crawler or MCR. When the LED flashes red, this indicates **Low Battery**. To charge RCP4, connect it to the charger using a USB cable, the LED will light orange. When fully charged the LED flashes green and bleeps.

**PLEASE NOTE** the battery cannot be charged in temperatures below freezing. The 4 Button remote will operate as normal if connected to charger, in conditions below freezing.

## Accessories

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

**Multi Region USB Mains Power Plug**
Minicam Part Number: PSU-005-171

**USB Cable**
Minicam Part Number: CAB-005-172

**Proteus MCR Remote Control Holder**
Minicam Part Number: ASS-004-440

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