

# **Spectra CR700 DUAL Detectors**

## General Advice & Pairing

# SPECTRA CR700 DUAL DETECTORS

## General Setup & Usage

This data sheet gives helpful advice on the CR700/CR700 dual combination for machine use.

**Note: Prior to dispatch, both CR700's will be pre-paired via radio link.**

### PROCEDURE

- Fix one of the CR700's securely onto its magnet mount, then switch ON.
- Allow the detector to calibrate (CAL). This only takes a few seconds.
- Best practice is NOT to calibrate detector with the laser running. **This is now the "Machine CR700".**
- Next, switch ON the second Cab Repeater CR700. Let it calibrate. Again, this only takes a few seconds.
- The display will show **RMT.D** and a flashing "OK". This stands for "remote detector"
- Quickly press the Enter button on the CR700. (It is the bottom left-hand button).
- "OK" will stop flashing.
- Within 5 secs the CR700's display will show **RMT.D** at the top.
- **THE SYSTEM IS NOW READY TO USE.**
- **To switch OFF**, hold ON/OFF button for 3 sec. The detectors can be switched off in any order.

### VERY IMPORTANT

- Always be careful to switch the Machine CR700 on first & the Cab Repeater CR700 second, otherwise the Machine CR700 changes to be the cab repeater, which is incorrect.

Below are some extra system refinements, worth consideration.....

### Machine CR700

- To save battery life, the sounder needs to be OFF and the LED's set to LOW. (You are not seeing nor hearing it, when in operation).
- Set the sensitivity (top right-hand button) to suit. The range is between 0.5mm for staff use, up to 25mm on the machine. If its set too sensitive, it makes it difficult to use on your machine.

### Cab Repeater CR700

- Mount the Cab Repeater securely, without obstructing the Operator's view.
- Set sounder to low volume using the bottom right-hand button.
- Your choice of course. It can be set louder or Off, if required.
- Sensitivity: Start with it set to 10mm.
- This will automatically change the sensitivity of the Machine CR700 too.
- There is the option of a 25mm setting, if this is more appropriate.

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## Re-pairing Instructions

If you need to re-pair the Spectra CR700's - please follow the steps below.

### Switch on Machine CR700

- Allow it to CAL. (Calibrate)
- Press Menu button. MENU is shown briefly, then the back light setting.
- Press down arrow once. Display shows "RDIO" for radio linking.
- Press ENTER (bottom left hand button). Display will flash.
- Using up & down buttons, scroll through OF / LS / HL
- (OF = off / LS = laser / HL = detector)
- Leave **HL** flashing, (You are pairing with the **second CR700** detector)
- Press ENTER, HL stops flashing.
- Press Down arrow. Display shows PAIR \*.
- Press ENTER again, \* symbol rotates.

### Switch on Cab Repeater CR700

- Allow it to CAL. (Calibrate)
- Press Menu button. MENU is shown briefly, then the back light setting.
- Press down arrow once. (Sounder button). Display shows RDIO, for radio linking.
- Press ENTER, if **HL** is not shown. To change to **HL**, use Up / Down scroll buttons.
- Press ENTER again to stop HL flashing
- Press down button again (Sounder button) to display PAIR \*
- Press ENTER again to make \* symbol rotate.
- Cab Repeater CR700 detector will beep and show "PAIR OK"
- Switch Off both CR700 detectors.
- **The pairing procedure is now COMPLETE.**

*To ensure this has been completed correctly:*

- Switch on Machine CR700 FIRST Allow it to CAL.
- Switch on Cab Repeater CR700 secondly. Also allow it to Cal.
- Display shows **RMT.D**, with OK flashing. (**RMT.D** = remote detector, the Cab Repeater)
- Quickly press ENTER. (Bottom left-hand button)
- Both detector's LCD will show an aerial mast symbol, (bottom left-hand side) to confirm pairing is completed OK.
- Using the magnetic mount, fix Machine CR700 externally (to excavator dipper arm) & the Cab Repeater CR700 in the cab, without obstructing the Operator's view.

# CARE & MAINTENANCE

## Protecting the CR700's

- Your Spectra CR700's are precision levelling equipment and should be treated as such. Always handle with care.
- Always turn the Spectra CR700's off when transporting or moving around the job site.
- Ensure the Spectra CR700's are clean and dry before storing away.
- If wet, dry well before storing and store at room temperature. Failure to do so may void warranty.
- ***NEVER store the Spectra CR700's in a van, car or an unheated location (workshop / shed / garage / lockup etc.) overnight. The Spectra CR700's are designed to work in cold and wet conditions but it's the storage of the product when not in use that is critical. Keeping it in a secure heated building increases the usable life of the product and reduces the possibility of theft.***
- When the Spectra CR700's are not in use or is being stored long term, it is highly recommended to remove the batteries.
- There are no user serviceable parts inside the Laser Level. Warranty void if tampered.

## Laser Levels Online

**Unit 35, Bridge Business Centre, Beresford Way, Dunston Road,  
Chesterfield, Derbyshire, S41 9FG, United Kingdom**

Freephone: 08000 869 769 (Free from UK mobiles and landlines)

[www.laser-level.co.uk](http://www.laser-level.co.uk) • [sales@laser-level.co.uk](mailto:sales@laser-level.co.uk)