

Changing the IR Channel Number Remotely



This function is only available on the Esprit DX and the Esprit 750PRO.

The channel number of any Esprit DX or 750PRO can be changed remotely providing the REMOTE function is switched ON. Use this facility with care as remote control of individual units may be lost, requiring the channel number to be set manually. It should be remembered that if more than one unit(s) is set to the same channel number as the RC3 or if the RC3 is set to ALL, then all units within range will be simultaneously altered.

To change the IR channel number remotely set the RC3 to the channel number of the Esprit DX or 750PRO you want to change. Press the remote control function button until Channel 'X' is displayed (X being the channel you wish to you use), then use the MASTER + or MASTER - buttons to change the channel number. If no further adjustments are attempted within 4 seconds then the display will revert to the default 'FLASH' mode. The new channel number will now be selected.

Other Functions

The RC3 also allows the user to reset either the Esprit DX or 750PRO to their default settings. To do this the RC3 must be set to the correct IR channel. Point the RC3 at the unit to be reset and press and release the SELECT button. Then within 2 seconds, press the POWER (RESET) button. All of the units functions will be reset to the conditions stated. See table below:

FUNCTION	STATE AFTER RESET
Cell	Off
Bracketing	Off
Sound	Off
Flash Power	Min
Power	750
Lamp Independent	Min
Int / Cont.	Off
Lamp	Off

Pulsar / Litelink Remote Trigger Radio Transmitter



The RC3 will also act as a Pulsar or Litelink Radio Transmitter to enable remote triggering of one or more flash units or a camera equipped with a Pulsar or Litelink receiver. The camera or other flash trigger source such as a light meter should be connected to the RC3 via the jack socket using the supplied sync cord. If the RC3 is being used with a Litelink then the RC3 must always be set to Studio 'F'.

Radio Trigger Restrictions

Due to the way radio signals are transmitted, moving a few centimetres in any direction can affect the signal. If difficulty occurs in a signal being transmitted / received try experimenting with the positioning of the units and the RC3.

Radio systems are far less directional than IR and can work reliably with a number of units that are spaced far apart but well within range. At greater distances or where there are walls in between, or metal objects close by then the operation / signal may not be as reliable.

Using Channel & Studio Settings

(Assumes all Pulsars / Litelinks are in range and switched to 'Receive').

The Studio setting can be used to isolate users / equipment within a single or separate studios. It can also be used to set up a number of completely different lighting options within a single set-up by changing the studio select switch.

An RC3 with the channel set to 'ALL' will trigger any Pulsar regardless of its channel setting providing the studio setting is the same as the RC3.

An RC3 set to a specific channel will only trigger a Pulsar set to the same channel or 'ALL', providing the studio setting is the same as the RC3.

Summary of IR Remote Control Channel Operation



The following summary assumes that 'REMOTE' on all compatible units has been switched 'ON' and that they are all within range of the RC3.

IR Remote Control	Description of Operation
1, 2, 3, 4	Controls ALL units that are within range and set to the same channel as the RC3 or set to ALL/0.
ALL	Controls ALL units within range of RC3 regardless of channel number.

Specifications

Part Code	BW-7805
Recommended Batteries (x2)	High quality, 1.5V, Single Use, (Non-rechargeable) Alkaline, Size AA/R6
Expected Battery Life (Average Life)	12 - 24 Months
Typical IR Control Range	10m
Typical Radio Control Range	10m
Dimensions	Length - 175mm Width - 65mm Height - 30mm
Weight	100g

Due to our policy of constant product improvement Bowens Int Ltd reserves the right to change equipment specification at anytime and without notice.

RC3 REMOTE CONTROL INSTRUCTIONS

BWL-0435/1 (07/07)

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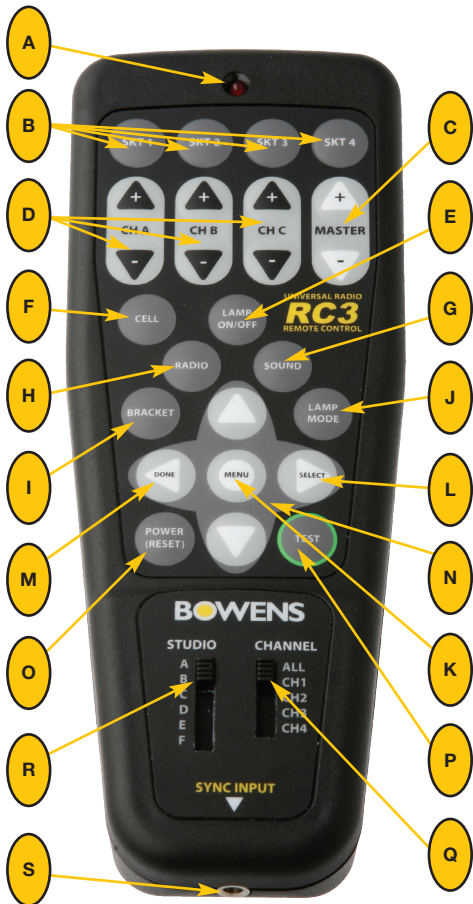
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- | | | | |
|----|--------------------|----|-----------------|
| A. | Transmit Indicator | B. | Socket 1 - 4 |
| C. | Master + & - | D. | Channel A - C |
| E. | Lamp On / Off | F. | Cell |
| G. | Sound | H. | Radio |
| I. | Bracket | J. | Lamp Mode |
| K. | Menu | L. | Select |
| M. | Done | N. | Directional Pad |
| O. | Power (Reset) | P. | Test |
| Q. | Channel Selector | R. | Studio Selector |
| S. | Sync Input | | |

Your RC3 Digital Remote Control, will have been fitted with new batteries at the factory. Bowens cannot accept liability for the condition of the batteries which may require replacement before use.

Check that the control operates by pressing any button and confirming the Transmit Indicator flashes.

N.B. Although this indicates that the remote control is operational it cannot guarantee that the unit being operated has received the transmission.

If the Transmit Indicator flashes slowly three times after a key is released or does not light at all then the batteries should be changed at the earliest opportunity. Batteries in a poor condition will result in the RC3 having a reduced operational range.

Battery Fitting

See specifications for recommended battery type.

To fit new batteries remove the rear cover by removing the 4 fixing screws with a suitable sized pozidrive screwdriver. Hold the PCB within the top cover and carefully prise the old batteries out of the battery holder and dispose of them responsibly. Always fit new batteries in pairs. Never mix new and used batteries or use different makes and types together. Clip the two new batteries into the battery holder ensuring that they are fitted with the correct polarity. Reassemble the remote control taking care not to over tighten the fixing screws. The control is now ready for use.

Functions Summary

The RC3 is able to control Bowens Infra Red (IR) Remote capable units, Bowens Radio Trigger capable units and separate Bowens Pulsar and Litelink Radio Triggers. The following assumes that you are familiar with the operation of the equipment being controlled. Read the unit manual in conjunction with this user guide if you are unsure about the use of any of the controls. Accessible functions vary with the unit type.

Ensure that the target unit(s) you wish to operate are switched on. Set REMOTE on all the units to ON. When using the IR remote always point the unit towards the control panel of the target unit.

Any IR system tends to be directional and although the IR signal can be 'bounced' off certain objects or walls, it may not work reliably with a number of units that are spaced far apart. Whenever possible always point the remote control directly towards the control panel of the target unit or units requiring adjustment.

N.B. The Photocell flash detector on units is very sensitive and can be activated by the RC3, if used at close range (typically <0.7m).

IR Control of QuadX & Esprit DX

Select the desired channel number on the target unit. Note that the RC3 has five channels available, ALL and 1-4 inclusive. The studio number has no effect.

Set the remote control channel selector switch to the required channel. Point the remote control at the target and operate the desired controls exactly as if you were using the controls on the target itself. Exceptions to this rule are as follows:

QuadX:

- To adjust the bracket step press the POWER button (O), followed by the MASTER + / - buttons (C).
- To change the modelling mode on each socket, press LAMP MODE (J) followed by the required SKTx button (B). Subsequent pressing of the SKTx button (B) will cause the mode to change. Use the ALL button to change all sockets simultaneously.
- To adjust the lamp bias level when the modelling mode is either 100% or Auto, press the LAMP MODE button (J), followed by the MASTER + / - button (C).

Esprit DX / 750PRO:

- The RC3 MASTER + and MASTER - buttons (C) are the same as the UP and DOWN buttons.
- The RC3 MENU button (K) is the same as the FUNC button.
- The RC3 LAMP ON/OFF button (E) is the same as the LAMP button.
- The RC3 LAMP MODE button (J) is the same as the INT button.

Esprit DX / 750PRO: continued.

- The RC3 provides for the BRACKET + or BRACKET - button function on the 750PRO by first pressing the BRACKET button (I) followed by either MASTER + or MASTER - (C) within 2 seconds.
- The RC3 no longer provides the MIN or MAX function available on the RC1 or RC2.
- The RC3 SKT 1-4 (B), CH A, CH B, CH C (D), DONE (M), MENU UP (N), MENU DOWN (N) and RADIO (H) buttons have no equivalent function on the Esprit DX and 750PRO.

IR Control of Multiple Units

Select the required channel number on each target unit to be controlled. If you require individual control then set each one to a different channel. If you require two or more units to be controlled together as a group then give them the same channel number.

Set the remote control channel selector slide switch to the chosen channel for the particular unit, or group of units required.

IR Control of All Target Units

If you want to change a particular function on ALL of the target units, then set the remote control Channel select slide switch to ALL.

Channel 0 / ALL

Select Channel 0 or ALL on the target units if you require them to respond regardless of the RC3 Channel selected.

Finding an Unknown Unit Channel Number

The channel number of any target unit can be found remotely, provided the REMOTE function on the target unit is switched on.

If the target receives a valid Infra Red signal which is on a different channel to what it is set to, the target unit will indicate the channel number that is set on the unit.