

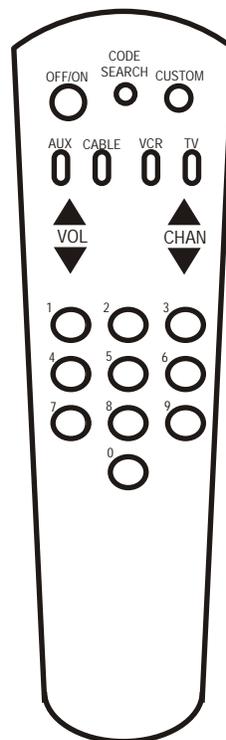


Digital Lighting Systems, Inc.

UIR

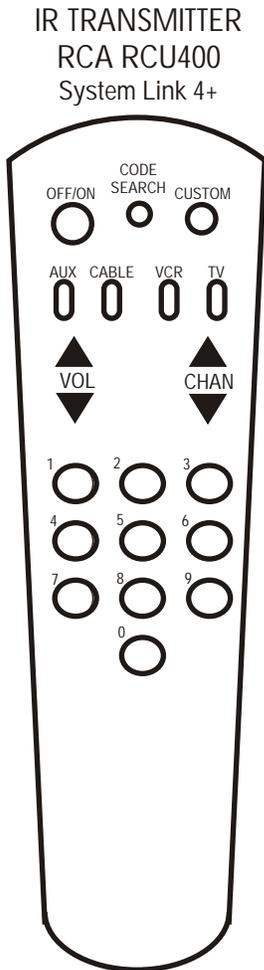
Universal Infrared
Remote Control

PROTOCOL



USER'S MANUAL

Universal IR Remote Controller



You Must Follow Programming Instructions Before Using.

Instructions For Programming

This procedure must be followed when the controller is new or if the batteries have been replaced.

If using the RCA RCU400 (System Link 4+)

- 1- Press and hold "CODE SEARCH" until red light comes on.
- 2- Press and release either "VCR" or "AUX"
- 3- Press and release "0"
"8"
"3"
- 4- Press & Release "OFF/ON"
- 5- IR transmitter is now programmed.

If using another IR Remote Controller

- 1- Point Transmitter at IR receiver of Control Station.
- 2- Follow directions for Code Search of Unknown Device.
- 3- LEDs on Control Station will flash when OFF/ON button is pressed upon reaching correct code.
- 4- Press & Release "CHAN DOWN"
- 5- IR Transmitter is now programmed.

IR Transmitter Range

Direct Line range with fresh batteries may vary between 40' and 90'.

Replacement Batteries

Use 4 Alkaline, AAA batteries.

Controlling Protocol Stations by IR

General Description

Protocol stations are available with a built-in infrared receiver installed between the first two columns of buttons. The receiver does not replace any of the station's buttons. Stations can store configuration information for up to 16 buttons regardless of whether they are present on the station (real buttons) or not (virtual buttons). The infrared controller can activate not only the real buttons but also the virtual buttons. For most button functions, pressing a button on the IR transmitter has the same effect as pressing the corresponding button on the station. The exceptions are detailed on page 2 of this document.

Ordering Information

Stations with the IR function can be ordered by adding -IR to their part number. For example a PSC08-IR is an 8-button C-series station with an IR receiver built in.

Operating the IR Transmitter

Controlling Stations With The IR Transmitter

In order to truly emulate a station "button press" from the IR transmitter, there has to be a one-to-one correspondence between the buttons on the station and the buttons on the IR transmitter. Since the IR transmitter has only buttons 0 to 9, it is not possible to access "double-digit" station button numbers with a single "button press". To get around this problem, the station is logically divided into two banks of 8 buttons each. Bank A refers to buttons 1 through 8 and bank B refers to buttons 9 through 16.

To operate bank A buttons, press "CHAN DOWN" on the IR transmitter. Bank A LED's will flash to indicate that the transmitter has selected station buttons 1 through 8. In this mode transmitter buttons 1-8 correspond to station buttons 1-8.

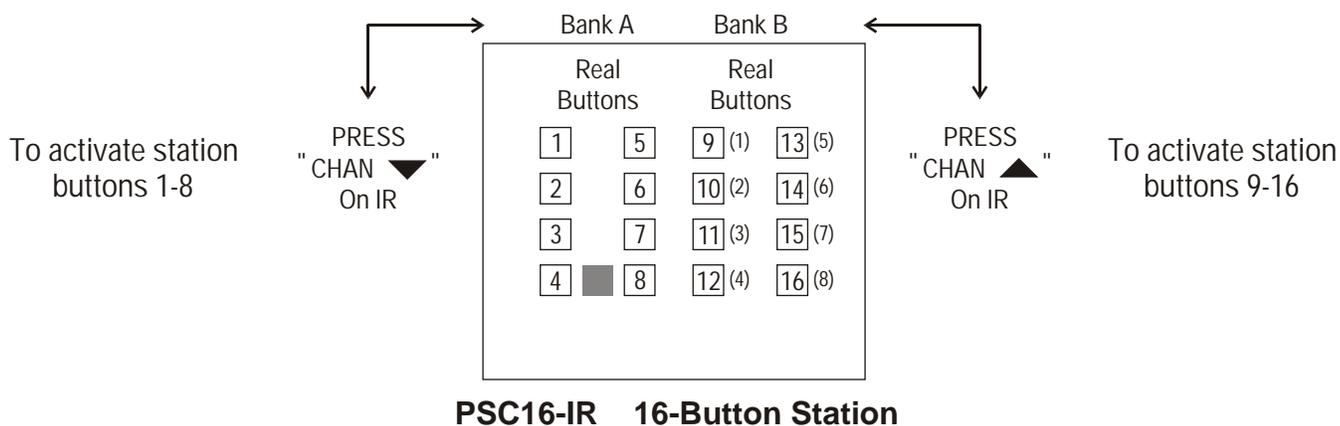
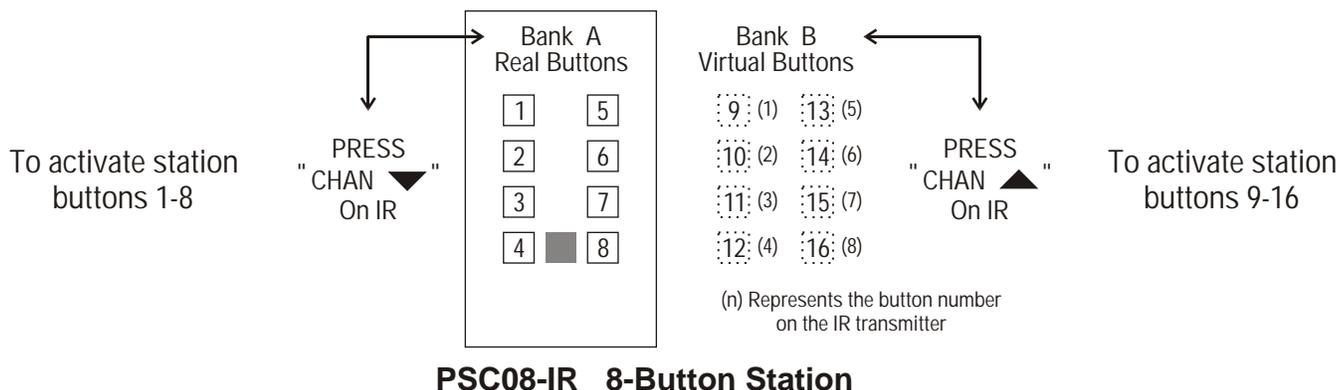
To operate bank B buttons, press "CHAN UP" on the IR transmitter. Bank B LED's will flash to indicate that the transmitter has selected station buttons 9-16. In this mode transmitter buttons 1-8 correspond to station buttons 9-16, i.e. IR button #1 corresponds to station button # 9 and IR button #8 corresponds to station button #16 and so on...

The Protocol software is capable of configuring all 16 buttons of a station whether they are physically present or not (virtual). Therefore, it is possible to use the IR transmitter to activate any of the 16 buttons, including virtual ones, provided they had been configured.

Exceptions

All functions available on an IR station are accessible from the IR transmitter with the following exceptions:

1. When a control station button is configured as "Dimmer", pressing the corresponding button on the IR transmitter will result in toggling the load(s) on or off. Pressing and holding this button on the IR transmitter will not dim the load(s).
2. When a control station button is configured as "Preset", pressing the corresponding button on the IR transmitter will result in selecting the stored scene. Pressing and holding this button on the IR transmitter will not result in storing a scene.
3. When a control station button is configured as "Momentary", that function cannot be accessed by the IR transmitter.





LIMITED WARRANTY

Digital Lighting Systems warrants to the purchaser that its products have been carefully manufactured and inspected and are warranted to be free from defects of workmanship and materials when used as intended. Any abuse or misuse contrary to normal operation shall void this warranty.

Digital Lighting Systems' obligation under this warranty shall be limited to replacement or repair of any units as shall within two years of date of invoice from Digital Lighting Systems, prove defective; and Digital Lighting Systems shall not be liable for any other damages, whether direct or consequential. The implied warranties of merchantability and fitness for a particular purpose are limited to the duration of the expressed warranty. Some states do not allow the exclusion of the limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, you may also have other legal rights which vary from state to state.

Defective merchandise may be returned to Digital Lighting Systems, prepaid, after prior notification has been given and approval obtained for the return. To obtain prior approval for the return of the defective items, contact your local Digital Lighting Systems distributor, representative, or:

Digital Lighting Systems, Inc.
Attn: Customer Service Department
7588 NW 8th Street
Miami, FL 33126
(305) 264-8391

Upon request, replacement unit(s) will be shipped as soon as available. Unless immediate shipment of replacement merchandise is requested, Digital Lighting Systems will not ship replacement merchandise until defective merchandise is received, inspected, and determined to be defective.

No labor charges in connection with warranty problems will be reimbursed by Digital Lighting Systems without prior written approval from the factory.

Digital Lighting Systems distributors and representatives have no authority to change this warranty without written permission.

Digital Lighting Systems reserves the right to determine the best method of correcting warranty problems.





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