RCX SMART Remote

out board

LV Series
Low Voltage Controllers

DV Series
Direct Controllers

RCX SMART Remote

16, 32 and 64-channel smart remotes

- RCX16, RCX32, RCX64 - Portable digital multichannel rigging remote controllers
- Auto-sensing assigns controllers to switch banks in the order they're plugged up in the rack

Retrofits to existing LV & DV Controllers

- RCXIF module adds two Ethercon CAT5 in / out connectors in place of Remote Go XLR's
- Retrofits to all existing LV6/8/12 & DV8 controllers or upgrade option for new buys (Not LV4/DV4)

Ethercon CAT5/6 connection or wireless

- Daisy-chain down a rack or between racks using Ethercon cable, or any old CAT5 in an emergency
- Uses RS485 protocol to 100m
- Digital and wired E-Stop
- Industrial-grade non-WiFi wireless option

8 memories, non-volatile, reversible

- Instant press-and-hold-to-beep programming like old car stereo
- Holds memories at powerdown
- Double-prod reverses memories for flying in
- Use with Clear for swift and easy bumping

Integral Load Cell monitoring

- Unused LV/DV Ethercon reads Load Cell data from Broadweigh and other systems
- Passes back up the chain to flash and beep a per-channel warning signal on the RCX Remote

Compact, easy to use, zero learning curve

- Handy and easy to pack
- No configuration just plug 'n play
- Simple and quick operation
- Recessed Ethercon socket
- Shoulder strap to take the weight off
- VESA mount compatible

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Out Board LV Series and DV Series controllers operate chain-hoist motors from most premium manufacturers, in multiple channels of Low-Voltage or Direct Control. All units have a variety of linkable Remote Control and Emergency Stop options and are automation-ready, with optional RCXIF Interface for compatibility with RCX Smart Remote Handsets. Ideal for a wide range of staging and rigging applications, Out Board LV and DV Series feature rugged design and durable switching hardware, all housed in a compact 3U (4U for LV4) 19" rack-mount chassis suited to both touring or installation.

LV Series
Low Voltage Control

LV6 and LV12 feature 3-way mixed control and power on female Socapex-style (Ceep) connectors, LV8 provides separate 4-way control and power on pairs of male and female Socapex-style (Ceep) connectors. LV4 comes with rear-panel C-Form control and power.

RC and RCX Handsets, LS3 & LS4 Splitter boxes or spider cable fanouts.

DV Series Direct Control

DV8 uses Socapex-style (Ceep) multipin connectors. DV4 features heavy-duty C-Form outlets.
RC and RCX Handsets, LS3 & LS4 Splitter boxes or spider cable fanouts.

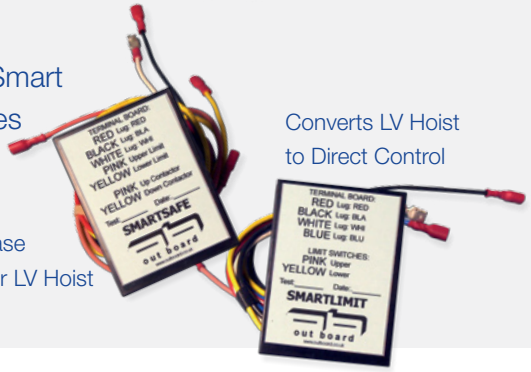
RC Handsets

LS3 Splitter Box

LS4 Splitter Box

DS4 Splitter Box

Hoist Smart Modules



Converts LV Hoist to Direct Control

Auto phase detect for LV Hoist

Example Operation and Technical Details (LV8 Shown)

The LV8 is designed to operate eight low-voltage controlled chain-hoist motors in staging and rigging applications. It features heavy duty connectors and controls housed in a compact 3U high 19" rack mount chassis making it ideal for touring and fixed applications. The LV8 fully conforms to European EMC and LVD requirements.

1. An input MCB provides protection against output overload faults. The MCB is rated at 32A with D characteristic providing 10 - 20 times normal rating for start-up surges.

2. Phase direction and power on indicators show incoming mains status. The phase reversal switch (on rear panel) should be set so this green Phase neon is lit, to ensure that the motors run in the correct direction and that the hoist's limit switch function is maintained.

3. Local Up/Down switches allow the LV8 to be programmed from the front panel. Hoists are activated to this program by the front-panel GO button or Remote GO via GO Link In. An alternate program can be set on the optional RC8 handset and activated from the RC8 GO button only. Up/Down switches are protected by a crash bar and direction is indicated by green and red LEDs.

4. With the Mode switch in Pickle position all motors are energized enabling operation from a pickle. In Normal position the LV8 will only power the motors when Up or Down is selected and GO is activated.

NB Emergency Stop automatically self-tests by tripping the Main Breaker on connection to supply. Reset Main Breaker to restore full operation.

Dimensions
H: 3U (13.34cm) x W: 19" (48.26cm) x D: 31cm. Allow 10cm for rear chassis connectors and inlet cable bend radius. Shipping Weight: 14kg

5. Remote operation of the LV8 is available using the optional RC8 remote control handset, which provides Up/Down switches for motor direction, GO and E-Stop. The RC8 handset is connected to the LV8 via a detachable multicore cable. Two LV8's can be run from one RC16 sixteen-channel handset via an RC Handset Splitter. Programmable control systems such as the IBEX PHC+ can also connect to this Remote Control socket to automate the LV8.

6. The GO Link In and Out XLR3's on standard LV/DV controllers allow linked Go actuated by the top unit's Go button or a handheld Remote Go switch. It works by shorting out pins 2 and 3 of the Go Link IN XLR3 and passing that on down the chain via the Go Link Outs.

When an RCXIF interface for RCX SMART Remotes is fitted, these Go Link XLR's are replaced by a pair of RCX In and Out Ethercons. The order these are patched as a daisy-chain in the rack decides which Up/Down selection banks they are auto-assigned to on the RCX. These can be hot-patched while the controllers and RCX are powered up. The spare Ethercon at the bottom of the chain can receive data from Broadweigh or other load cell servers to display a channel LED flash and beep warning on the RCX to advise over- or under-load.

7. Front panel Emergency Stop trips the Main Breaker when activated. Works in conjunction with a remote E-Stop button on the RC8 handset, and also optional Out Board remote push-to-break E-stop button connected across pins 2 & 3 of the E-Stop Link In XLR. Multiple LV units can be linked via E-Stop Link Out & In. Recessed switches can disable either remote E-Stop feature independantly if either an RC8 handset or remote E-Stop are not plugged in. An LED indicates green when the Emergency Stop feature is disabled. Emergency Stop function automatically self-tests by tripping the breaker on connection to supply - See NB below.

8. Connections to hoists are arranged in groups of four channels on 19-way Socapex connectors. Female carries four channels of 3-phase power/earth, Male carries four channels of Up/Down control.

9. The phase reversal switch should be set so the front-panel green Phase neon is lit to ensure that the motors run in the correct direction and that the correct Limit Switch function is maintained.

10. Mains power inlet on 1.5m flying lead terminated with a 5 pole 32A ceetype cable plug carrying 3 phase L, N + E.

ONLY TO BE OPERATED BY A QUALIFIED RIGGING PROFESSIONAL.
ONLY USE WITH PERSONS IN THE HAZARD ZONE IF RISK ASSESSMENT HAS BEEN CARRIED OUT BY A QUALIFIED RIGGING ENGINEER.