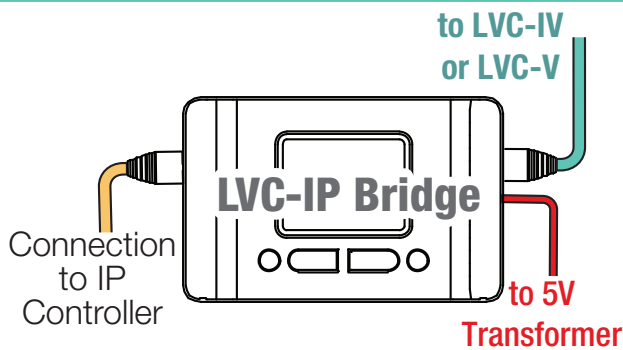


Section 1 - Overview

The LVC-IP Bridge acts as an IP to Serial Gateway for controlling Draper lifts and screens when used in conjunction with an LVC-IV or LVC-V.



Section 2 - Wiring



Section 3 - Selecting LVC Model

By default, the device is set up for **LVC-V**. To change this:

1. Highlight **LVC-V** and press
2. Use to select **LVC-IV**.
3. Press to save selection.

```
IPG-AV
>LUC-U
  IP Port
  IP Monitor
  Factory Reset
  Version:1.0.0
```

Section 4 - IP Port Configuration

By default, the device is set up for **DHCP**. To change this:

1. Highlight **MODE** and press .
2. Use to select **STATIC**.
3. Press to save selection.

To alter IP configuration:

1. Highlight field to be modified and press .
2. Use , configure the proper IP information for each field.
3. Press to progress to the next # to be configured.

```
IP Configuration
>Mode          DHCP
  IP Address
    192.168.1.90
  Subnet Mask
    255.255.255.0
  Default Gateway
    192.168.1.1
  UDP Port
    12343
  MAC Address
    AABBCCDDEEFF
```

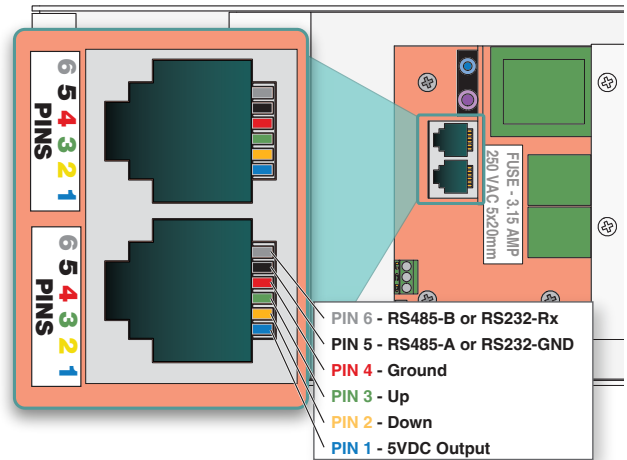
Section 5 - IP Command Protocol (LVC-IV ONLY)

For the LVC-IV, use the provided cable terminated with an RJ11.

LVC-IV Protocol & Pinout

COMMAND	HEX COMMAND STRINGS	REMARK
UP	9A / 01 / 01 / 00 / 0A / DD / D7 / 0A	ID No. : 1 / Channel : 01
STOP	9A / 01 / 01 / 00 / 0A / CC / C6 / 0A	ID No. : 1 / Channel : 01
DOWN	9A / 01 / 01 / 00 / 0A / EE / E4 / 0A	ID No. : 1 / Channel : 01

Please Note: Command Strings are Hex values; not ASCII.



Section 6 - RS232 and RS485 Serial Port Protocols (LVC-V ONLY)

For the LVC-V, use the provided cable terminated with an RJ45.

Sending Lift Commands

START	ADDRESS	COMMAND	END
1 Char	2 Chars	1 - 6 Chars	1 Char
L	XX	YYYYYY	!

XX = Decimal motor group address with range from 01 to 32. Note it always has to be 2 characters, so a 0 has to precede 1 digit addresses.

YYYYYY = command from the following table:

EXAMPLES:

COMMAND	ACTION
L01R!	Move Channel 1 to Fully Retracted.
L11E!	Move Channel 11 to Fully Extended.

COMMAND	ACTION
E	FULLY EXTEND
R	FULLY RETRACT
S	STOP
SP1	Go to FIRST show position
SP2	Go to SECOND show position
P	PREVIOUS show position
N	NEXT show position
ADDSP	ADD show position
DELSP	DELETE show position
ID	Identify channel
SET	SET splitter board channel
ADD	ADD a communication channel (Setting main board)
DEL	DELETE a communication channel (Setting main board)
FS1	Restore MAIN BOARD to Factory Settings
FS2	Restore SPLITTER BOARD to Factory Settings
FS0	TILT to PREVIOUS STOP
GETFV1	Get MAIN BOARD Firmware Version Number
GETFV2	Get SPLITTER BOARD Firmware Version Number

Section 7 - IP Monitor

1. The IP Monitor option will display UDP commands that are received by the LVC-IP Bridge.

This can be helpful to troubleshoot any communication issues.

Example of IP Monitor receiving correct data:

```
IP Monitor
Format example:
L[group#][cmd]!
L01C!
Move group 1
fully extended
```

Section 8 - Factory Reset

1. Select Factory Reset from configuration screen and confirm resetting LVC-IP Bridge back to default settings.

```
IPG-AV
LVC-V
IP Port
IP Monitor
>Factory Reset
Version:1.0.0
```