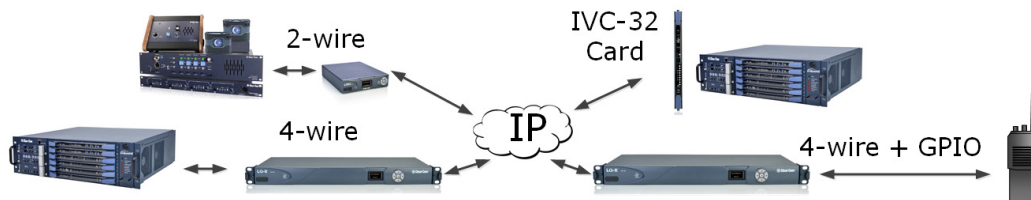




The following **Quick Start Guide** provides basic installation and configuration instructions for your LQ system. LQ is a new IP interface for Clear-Com audio products. It offers Internet, LAN and WAN connectivity for multi-linking audio.

- LQ-2W2 provides connection for two 2-wire analog partyline ports (XLR connectors)
- LQ-4W2 provides connection for two 4-wire ports (RJ45 etherCON connectors)
- LQ-4WG2 provides connection for two 4-wire ports + GPIO (D9)
- LQ-R2W4 provides connection for four 2-wire ports (XLR) each with a male and a female connector
- LQ-R4W8 provides connection for eight 4-wire ports (RJ45, etherCON)
- LQ-R2W4-4W4 provides connection for four 2-wire ports (XLR) and four 4-wire ports (RJ45, etherCON).
- LQ-2W4+4WG4 provides connection for four 2-wire (XLR) and four 4-wire+GPIO ports (D9)
- LQ-R4WG8 provides connection for eight 4-wire+GPIO ports (D9).



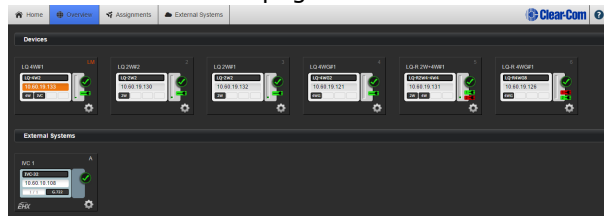
## Powering and connecting the LQ units

- 1) Connect the LQ unit to a network using standard Ethernet cable and power it on (use either the DC power supply cable provided or PoE). The 1 rack unit has redundant power supplies.
- 2) Connect the audio cables.
- 3) Open a Web browser on a device connected to the same network as the LQ device.
- 4) Input the IP address shown on the LQ device's display into the address field of the browser.
- 5) Enter the default login credentials for the Core Configuration Manager: Username – **admin**, Password – **admin**.



## Core Configuration Manager (CCM)

The CCM has four main pages:



- **Home** - Settings for the host device (the device whose IP address the browser is connected to).
- **Overview** - Settings for all devices in a Link-Group.
- **Assignments** – Configuration of audio and data routes between LQ devices (setting the network quality).
- **External Systems** – external matrix systems via IVC-32 card

**Note:** If your network does not support DHCP you must assign a static IP address to the LQ device:

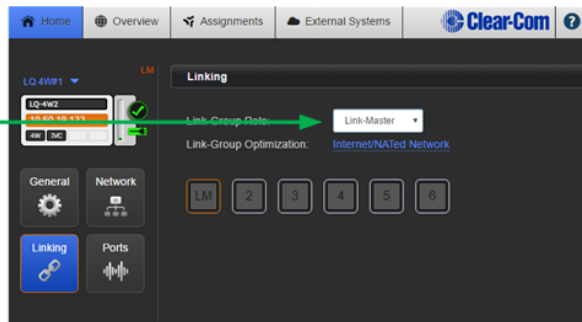
- 1) Connect a standard (straight) Ethernet cable from a computer to either LAN port on the device.
- 2) Ensure the computer is in DHCP mode.
- 3) Open a web browser and input the device's IP address in the address field.
- 4) Navigate to the device's network screen within the home page and allocate a static IP address.

## Linking the devices

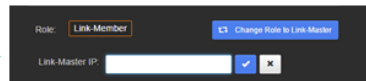
Each device's role is set as Link-Master by default.

- 1) Select one device in the group to be designated as the Link-Master, connect it to the network and power it on.
- 2) Connect another LQ device to the same network and power it on.
- 3) Enter the IP address shown on the display of the Link-Member device into the address field of your Web browser to connect to that device's Core Configuration Manager.

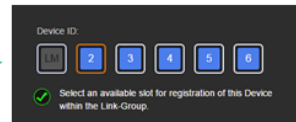
- 4) Navigate to **Home > Linking**.
- 5) Click **Change Role to Link-Member**.



- 6) Enter IP address of Link-Master. Click on blue check mark or press <ENTER> key to submit.



- 7) Select an available device ID (highlighted in blue).



- 8) Click **Apply changes**.
- 9) Repeat linking process for each device.


## Audio port settings

From the Core Configuration Manager (CCM) go to **Overview > select device > A/B**. The LQ devices arrive with the following default settings:

2W		4W		4WG	
Power	Disabled	Input/Output gain	0dB	Input/Output gain	0dB
Mode	Clear-Com	Network Quality	High	Output level (mic Or line level)	Line level
Input/Output gain	0dB	VOX mode	Disabled	Network Quality	High
Network Quality	High	Port Function	To Matrix	VOX mode	Disabled
VOX mode	Disabled	Baud rate	19200 (Eclipse)		
Termination	Disabled				

## Connecting and configuring audio channels

Once an LQ device is connected to a Link-Master, click on the **Assignments** button within the navigation bar to configure channel connections.

Set device to network quality by clicking/touching this icon in **Assignments**:  (default setting = **high**).

See the *LQ Series System User Guide* on the Clear-Com website for more information.