

# Release Notes

## LQ Series V4.4.54.0 RELEASE NOTES



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CONTENTS

<b>1</b>	<b>INTRODUCTION .....</b>	<b>3</b>
1.1	Scope .....	3
1.2	V4.4.54.....	3
1.3	V4.4.21.....	3
1.4	V4.2.30.....	3
1.5	V4.2.7.0.....	3
1.6	V4.1.1.0.....	3
1.7	V4.0.52.5.....	4
1.8	V4.0.51.5.....	4
1.9	v4.0.19.2 .....	4
1.10	v3.0.30 .....	5
1.11	v3.0.27 .....	5
1.12	v2.0.38 .....	5
1.13	v1.0.37 .....	5
<b>2</b>	<b>PART NUMBER REFERENCE.....</b>	<b>7</b>
2.1	Firmware.....	7
2.2	Documentation.....	7
<b>3</b>	<b>KNOWN ISSUES.....</b>	<b>8</b>

## 1 Introduction

### 1.1 Scope

This document describes the release of the LQ product family

### 1.2 V4.4.54

- EasyDNS certificate renewal

Following bugs were fixed:

143081	One-way audio when audio timestamps are wrapping around
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### 1.3 V4.4.21

- Additional role configuration options to match HelixNet 4.4
- EasyDNS certificate renewal

Following bugs were fixed:

91302	Turn off TLS 1.1 on HTTPS, port 443
90214	LQ does not retry after failing to connect to IVC

### 1.4 V4.2.30

- EasyDNS certificate renewal

Following bugs were fixed:

84421	SIP Registration lost with Cisco Call Manager
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### 1.5 V4.2.7.0

- Adding Save/Restore
- Support for Station-IC

Following bugs were fixed:

70885	Unable to use underscore in external Domain Name
67304	Change QoS tag from DSCP = AF to DSCP = AF41
63538	LQ SIP Disconnecting – Add support for SIP INFO packets
67975	LQ not passing audio on a SIP call – race condition
68508	LQ: Application asserts when 2 or more IVC devices used with SIP

### 1.6 V4.1.1.0

- Sustaining release with the following fixes:

50678	LQ SIP only supports Port 5060 needs to support 6060
42154	LQ currently does not support more than 25 Agent-IC user accounts
41961	Agent-IC does not engage relays when using call signal.
42475	Strange LQ SIP behaviour on intermittent connection - crash
43814	Strange LQ SIP behaviour on intermittent connection - option that says 'drop call on server loss'.
45078	LQ needs statistics
44457	LQ External Connectivity Section confusing customers and resulting in unintended loss of service
43791	VOX Threshold with SIP

## LQ Series v4.4.54.0 Release Note

50169	LQ doesn't support 5digits IP ports for CCM:80 ip forwarding
51012	Stuttery audio on Helixnet (potential cause is LQ/AgentIC)
51635	Helixnet system beltacks not talking out on LQ-4wire port
51687	LQ to maintain support info after power cycle (USB)
51562	LQ 2-Wire does not disable RTS tone detection in CC mode
51633	2W Output gain mismatch between front menu and CCM
52769	LQ SIP offline
52552	Random noise after many months of use
57222	IPV6 for AgentIC on LQ
57748	Agent IC not connecting to LQ after IoS 13 upgrade
52164	When creating a second sip server the port in advanced is lost
52183	Unable to connect an LQ sip account to server
58696	Online licensing fails
58421	CCM password

### 1.7 V4.0.52.5

- SIP Frame size fix
- USB upgrade fix
- uBoot CCM version fix
- Some HTTPS fixes
- Security Patch (now refusing SSLv2, SSLv3 & TLSv1.0)

Bugs fixed:

40314	Browser redirection fails when using EasyDNS certificate and changing to DHCP
40610	CCM failed to redirect correctly to the new IP address
40404	SIP has bad audio when frame size isn't 20ms
40640	LQ time becomes 00:00:00 after pressing Regenerate (certificate)
40931	Unable to upgrade from USB flash drive on front panel
41153	Don't allow SSLv2, SSLv3 and TLSv1.
41161	Linking causes crash + watchdog restart of node
40874	Unexpected uboot version shown in CCM

### 1.8 V4.0.51.5

- Adding HTTPS and digital certificate management
- Adding secure signed Clear-Com software (LQ devices will only accept official signed Clear-Com software).

Bugs fixed:

38117	Agent-IC on LQ cannot connect through a firewall (missing External IP address)
37755	LQ Front Panel: GPIO LQ Output Level changing to Mic Level selects Line Level not registered
38500	By adding a 4-Wire to a channel resulted in no audio, yellow ports status on assignment page
37849	Agent-IC Authentication error code when entering a bad username or password has been added

### 1.9 v4.0.19.2

- Added IP Telephony SIP and Agent-IC support

## LQ Series v4.4.54.0 Release Note

- Linking with HelixNet 4.0
- CCM for LQ and for HelixNet made more similar

### 1.10 v3.0.30

Bugs fixed:

30326	LQ 4-wire port data pin configuration is not retained on power cycle / LQ not lighting up MVX indicator
28777	Unable to use LAN/WAN Routed Network linking option
27864	LQ units stuck in acquiring IP address loop and device unreachable

### 1.11 v3.0.27

### 1.12 v2.0.38

Bugs fixed:

	Wrapping of text in assignment page
	Improved stability when changing between networks (symptom, corrupted pages)
	Improved resized pages when zoomed

### 1.13 v1.0.37

Bugs fixed:

	Garbled/missing audio under certain network conditions.
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## What is HTTPS?

HTTPS is an adaptation of the HTTP protocol. It is commonly used for security when sending sensitive data over a network. (HTTP means Hypertext Transfer Protocol. HTTP is the underlying protocol used by the World Wide Web and this protocol defines how messages are formatted and transmitted).

HTTPS protects against an intermediary being able to intercept data between devices. HTTPS uses data encryption and Public Key Cryptography to create a secured channel.

## Why use HTTPS on LQ?

When using the LQ Core Configuration Manager (CCM) to establish your intercom setup, you might wish to protect your login credentials and configuration details from unauthorized interference. In this case you will establish an encrypted connection between the CCM and the LQ devices using HTTPS.

## The basics of HTTPS LQ and web browsers

- Default LQ supports HTTPS & HTTP
- Option “HTTPS only” (secure)
  - Needs Certification Authority. There are 3 options
    - Clear-Com self-signed certificate (default)
    - User’s own certificate
    - EasyDNS security certificate
  - All LQs in Link Group need to switch to HTTPS only and have the same certificate

## LQ Series v4.4.54.0 Release Note

- All browsers that connect to LQ (HTTPS only) link group need to have the same certificate (as the LQ devices) installed.

## 2 Part Number Reference

### 2.1 Firmware

Part No	Description	File Type	Production Rev	Dev Issue	Last updated in Release
780G059	LQ Series Software	cck	4.4.54.0	K	4.4.54.0

### 2.2 Documentation

Part No	Description	Production Rev	Doc Issue	Last updated in Release
399G228	LQ Series Quick Start Guide	B	B	4.1.1.0
399G227	LQ Series User Guide	E	E	4.2.7.0
399G254	LQ Series Release Notes	F	F	4.4.54.0
399G249	LQ Series Licensing Quick Start Guide	B	B	4.1.1.0

### 3 Known Issues

This section details those issues that contradict the relevant manuals included in this release. These issues have not been resolved and are listed here to help you use the system more effectively.

40266	Node crash when switching certificate with concurrent https sessions opened
40270	Security errors appear on Edge on Windows 10 in HTTPS mode, as can't add self-signed certificate
40271	Security errors appear on Chrome on Android in HTTPS mode for self-signed certificate
40277	unable to use downloaded certificate on chrome with windows 10
40315	Browser redirection fails when using EasyDNS certificate and changing to static IP
70973	Linking fails when HTTP://hostname is used while Force HTTPS was Enabled on Link Master
73224	CCM showing warning on Link Master only when resource meter is maxed out
74307	Manual browser refresh sometimes required when unlinking and linking again
74353	CCM unresponsive when system loaded above available resources
75437	Save&Restore not working through proxy device