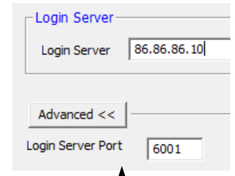
CUSTOMER HAS ONE PUBLIC IP ADDRESS USING ROUTER / NAT

REMOTE IP PANEL
LOGIN IP = IVC-32 EXTERNAL ADDRESS
LOGIN IP = 86.86.86.10
LOGIN PORT = 6003

CUSTOMER HAS ONE PUBLIC IP ADDRESS
USING ROUTER / NAT

PUBLIC IP = 86.86.86.10

EXTERNAL CONCERT CLIENT



PUBLIC INTERNET

CONCERT CLIENTS SERVER LOGIN SET TO CONCERT SERVER EXTERNAL IP ADDRESS

THE ROUTER / NAT MAPPING WILL RESOLVE THE IP ADDRESS FOR THE INTERNAL USERS

THIS ALLOWS THE INTERNAL USERS TO MOVE BETWEEN INTERNAL LAN AND EXTERNAL INTERNET WITH OUT CHANGING LOGIN DETAILS

OR SETUP ROUTER TO USE HOSTNAME CONCERT SERVER
I.E: CONCERT.SERVER@CUSTOMER.COM
THIS WAY IT DOES NOT MATTER HOW THE CONCERT CLIENT CONNECTS THE ROUTER WILL USE THE CORRECT IP ADDRESS

ANY INCOMING PACKET WITH
IP ADD: 86.86.86.10 PORT 6003
IS ROUTED TO THE IVC-32 CARD

ANY INCOMING PACKET WITH
IP ADD: 86.86.86.10 PORT 6001 IS
ROUTED TO THE CONCERT SERVER

ROUTER MAPPING
86.86.86.10:6003 ←→ 192.168.42.160:6003

OPEN BOTH TCP AND UDP PORTS

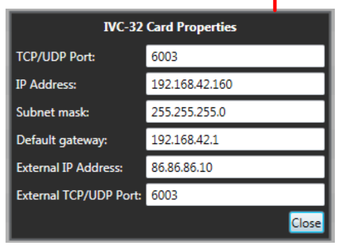
ROUTER MAPPING
86.86.86.10:6001 ←→ 192.168.42.200:6001

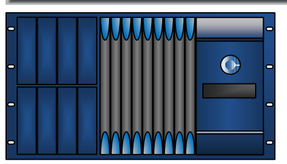
OPEN BOTH TCP AND UDP PORTS

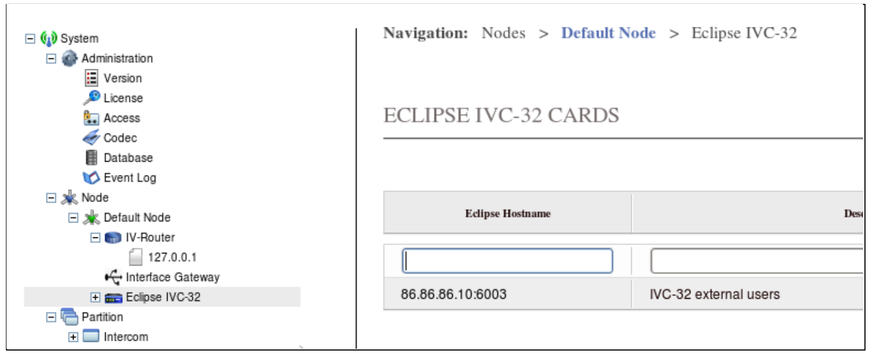
CONCERT SERVER
IP ADDRESS 192.168.42.200

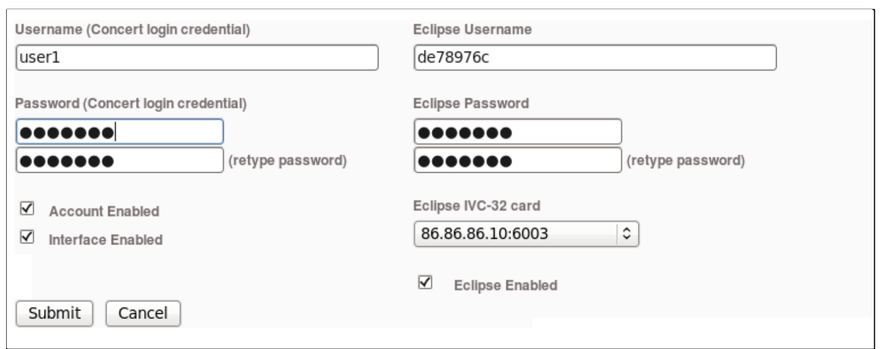
INTERNAL CONCERT CLIENT

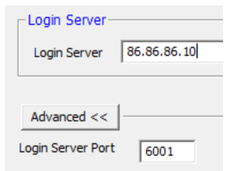
LOCAL IP PANEL
LOGIN IP = IVC-32 INTERNAL ADDRESS
LOGIN IP = 192.168.42.160
LOGIN PORT = 6003











ON THE CONCERT EMS
DECLARE ONE IVC-32 NODE
THE ENTERAL IVC-32 IP ADDRESS IS USED BY ALL CONCERT CLIENTS

KEY CODE
BLACK - CAT5 / AUDIO
BLUE – ENCORE PARTY LINE
RED – ETHERNET
GREEN – COAX
VIOLET – AES-3 / DIGITAL AUDIO
ORANGE - FIBRE

A2	DO NOT SCALE	3rd ANGLE	DRAWN BY		DATE
All dimensions are in mm unless otherwise stated. Normal tolerances stated; No decimal place; +or-1,0mm 1 decimal place; +or-0,3mm 2 decimal places; +or-0,1mm Unless otherwise stated.		Clear-Com AN HME COMPANY	File location	TITLE: NETWORKING IVC-32 & CONCERT VIA ROUTER / NAT DEVICE	ISSUE: V5

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Cambridge CB25 9TP
United Kingdom
Tel: +44 1223 815000
Fax: +44 1223 815099
Web: Clearcom.com

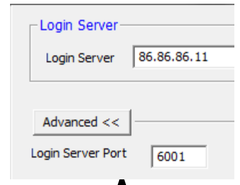
CUSTOMER HAS TWO PUBLIC IP ADDRESS USING ROUTER / NAT

REMOTE IP PANEL
LOGIN IP = IVC-32 EXTERNAL ADDRESS
LOGIN IP = 86.86.86.10
LOGIN PORT = 6001

CUSTOMER HAS TWO PUBLIC IP ADDRESS
USING ROUTER / NAT

PUBLIC IP = 86.86.86.10 (IVC-32)
PUBLIC IP = 86.86.86.11 (CONCERT)

EXTERNAL CONCERT CLIENT



CONCERT CLIENTS SERVER LOGIN SET TO CONCERT SERVER EXTERNAL IP ADDRESS

THE ROUTER / NAT MAPPING WILL RESOLVE THE IP ADDRESS FOR THE INTERNAL USERS

THIS ALLOWS THE INTERNAL USERS TO MOVE BETWEEN INTERNAL LAN AND EXTERNAL INTERNET WITH OUT CHANGING LOGIN DETAILS

OR SETUP ROUTER TO USE HOSTNAME CONCERT SERVER
I.E: CONCERT.SERVER@CUSTOMER.COM
THIS WAY IT DOES NOT MATTER HOW THE CONCERT CLIENT CONNECTS THE ROUTER WILL USE THE CORRECT IP ADDRESS

PUBLIC INTERNET

PUBLIC INTERNET

ANY INCOMING PACKET WITH
IP ADD: 86.86.86.10
IS ROUTED TO THE IVC-32 CARD

ANY INCOMING PACKET WITH
IP ADD: 86.86.86.11
IS ROUTED TO THE CONCERT SERVER

ROUTER MAPPING
86.86.86.10:6001 ←→ 192.168.42.160:6001

OPEN BOTH TCP AND UDP PORTS

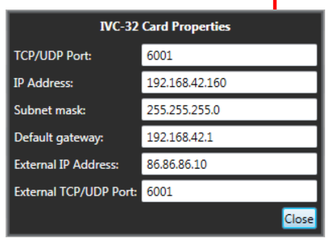
ROUTER MAPPING
86.86.86.11:6001 ←→ 192.168.42.200:6001

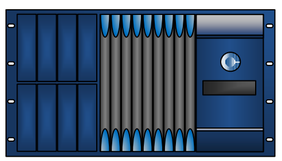
OPEN BOTH TCP AND UDP PORTS

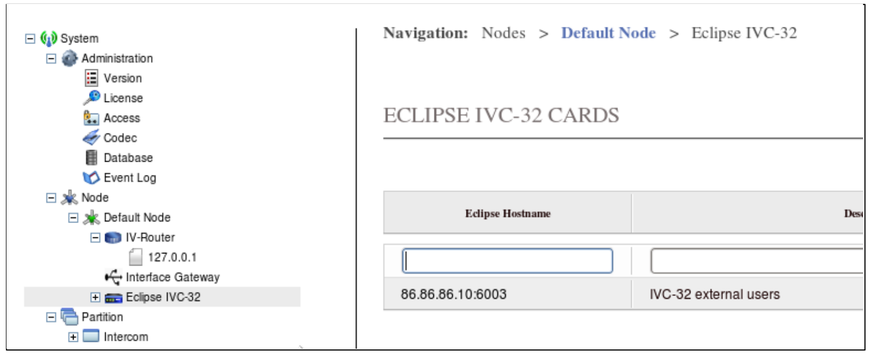
CONCERT SERVER
IP ADDRESS 192.168.42.200

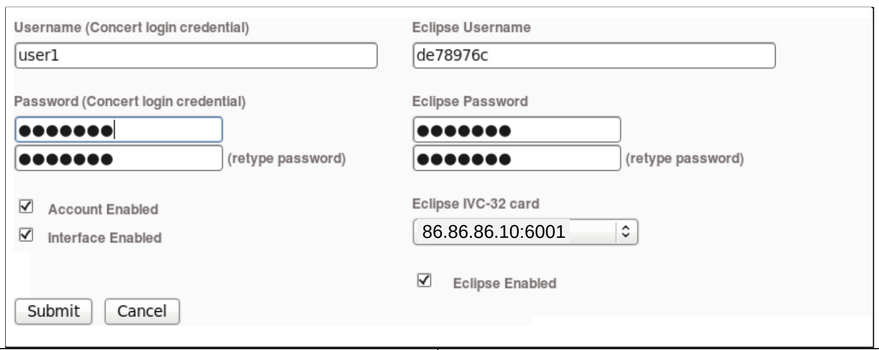
INTERNAL CONCERT CLIENT

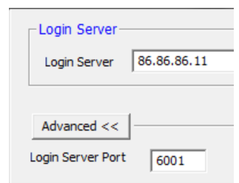
LOCAL IP PANEL
LOGIN IP = IVC-32 INTERNAL ADDRESS
LOGIN IP = 192.168.42.160
LOGIN PORT = 6001











ON THE CONCERT EMS
DECLARE ONE IVC-32 NODE
THE ENTERAL IVC-32 IP ADDRESS IS USED BY ALL CONCERT CLIENTS

KEY CODE
BLACK - CAT5 / AUDIO
BLUE – ENCORE PARTY LINE
RED – ETHERNET
GREEN – COAX
VIOLET – AES-3 / DIGITAL AUDIO
ORANGE - FIBRE

A2	DO NOT SCALE	3rd ANGLE	DRAWN BY		DATE
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Fax: +44 1223 815099
Web: Clearcom.com

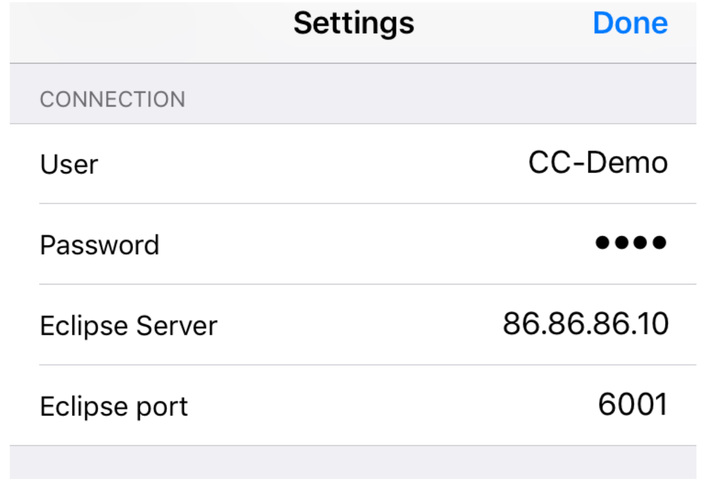
Connecting V Panels and Agent IC using Router/NAT

REMOTE IP PANEL
LOGIN IP = IVC-32 EXTERNAL ADDRESS
LOGIN IP = 86.86.86.10
LOGIN PORT = 6001

CUSTOMER HAS AN IVC-32 WITH A
PUBLIC IP ADDRESS
USING ROUTER / NAT

For example:
INTERNAL IP = 192.168.42.160
PUBLIC IP = 86.86.86.10

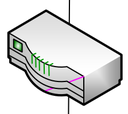
EXTERNAL AGENT-IC CLIENT



PUBLIC INTERNET

PUBLIC INTERNET

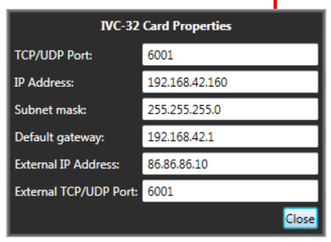
ANY INCOMING PACKET WITH
IP ADD: 86.86.86.10
IS ROUTED TO THE IVC-32 CARD

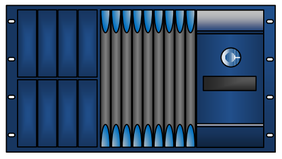


ROUTER MAPPING
86.86.86.10:6001 ←→ 192.168.42.160:6001

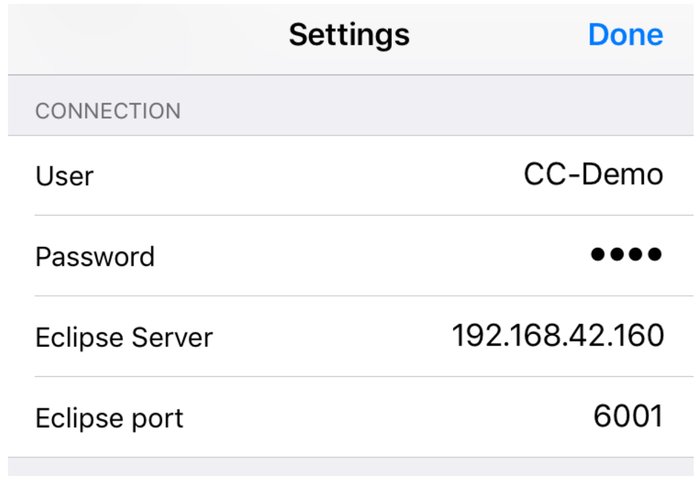
OPEN BOTH TCP AND UDP PORTS

LOCAL IP PANEL
LOGIN IP = IVC-32 INTERNAL ADDRESS
LOGIN IP = 192.168.42.160
LOGIN PORT = 6001





INTERNAL AGENT-IC
CLIENT



KEY CODE
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BLUE – ENCORE PARTY LINE
RED – ETHERNET
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ORANGE - FIBRE

A2	DO NOT SCALE	3rd ANGLE	DRAWN BY		DATE
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United Kingdom
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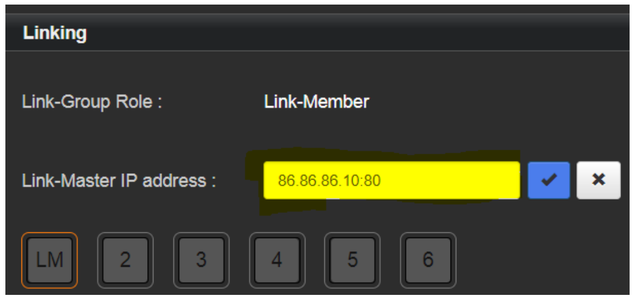
Connecting Agent-LQ and LQ using Router/NAT



If no port is declared in the Link-Master IP address, the default port 80 will be used.

CUSTOMER HAS AN LQ WITH A PUBLIC IP ADDRESS
USING ROUTER / NAT

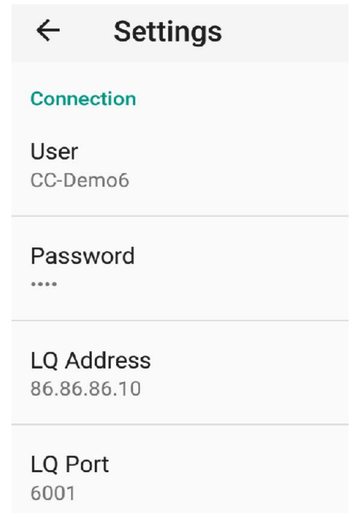
For example:
INTERNAL IP = 192.168.42.160
PUBLIC IP = 86.86.86.10

PUBLIC INTERNET

PUBLIC INTERNET

ANY INCOMING PACKET WITH
IP ADDRESS: 86.86.86.10
IS ROUTED TO THE Link-Master LQ

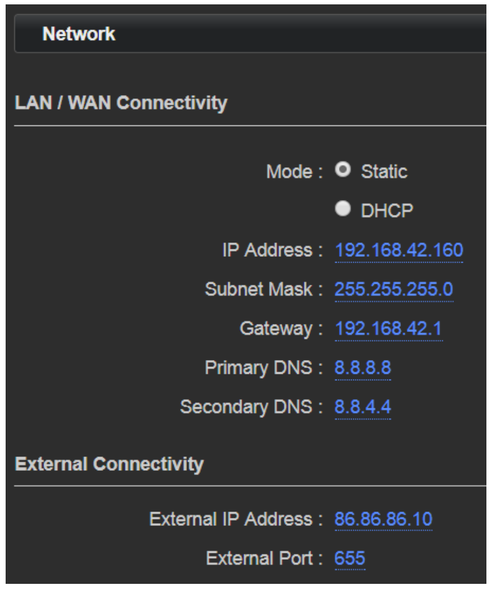
EXTERNAL AGENT-LQ CLIENT



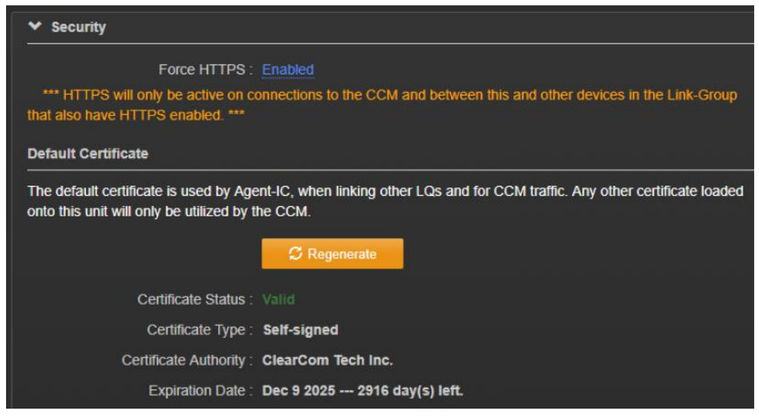
ROUTER MAPPING
86.86.86.10:6001 ←→ 192.168.42.160:6001
86.86.86.10:655 ←→ 192.168.42.160:655
86.86.86.10:80 ←→ 192.168.42.160:80

OPEN BOTH TCP AND UDP PORTS 6001 for Agent-LQ

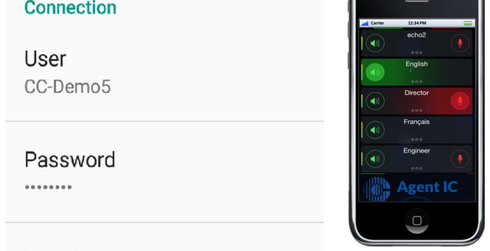
OPEN TCP 80 for linking, data distribution and browser-based Management
OPEN BOTH TCP AND UDP PORTS 655 for group connectivity and audio
transmission.



If “External Port” is left blank, it defaults to 655.



IT IS RECOMMENDED YOU RE-GENERATE THE LQ CERTIFICATE WHENEVER YOU CHANGE THE EXTERNAL IP ADDRESS SETTINGS



INTERNAL AGENT-LQ CLIENT

KEY CODE
BLACK - CAT5 / AUDIO
BLUE – ENCORE PARTY LINE
RED – ETHERNET
GREEN – COAX
VIOLET – AES-3 / DIGITAL AUDIO
ORANGE - FIBRE

A2 | DO NOT SCALE | 3rd ANGLE

All dimensions are in mm unless otherwise stated. Normal tolerances stated; No decimal place; +or-1,0mm 1 decimal place; +or-0,3mm 2 decimal places; +or-0,1mm Unless otherwise stated.

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File location

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