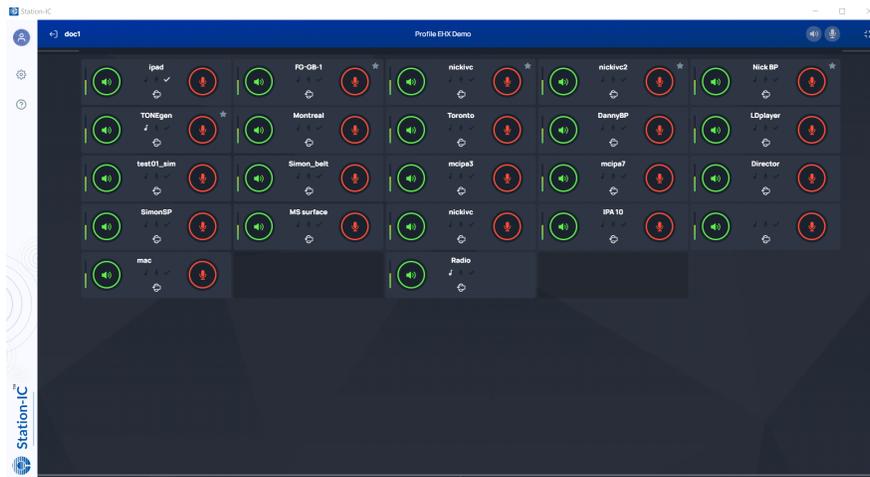


User Guide

Station-IC™ User Guide



Part Number: PUB-00051 Rev B

June 04, 2021

Document reference

Station-IC™ User Guide

Part Number: PUB-00051 Rev B

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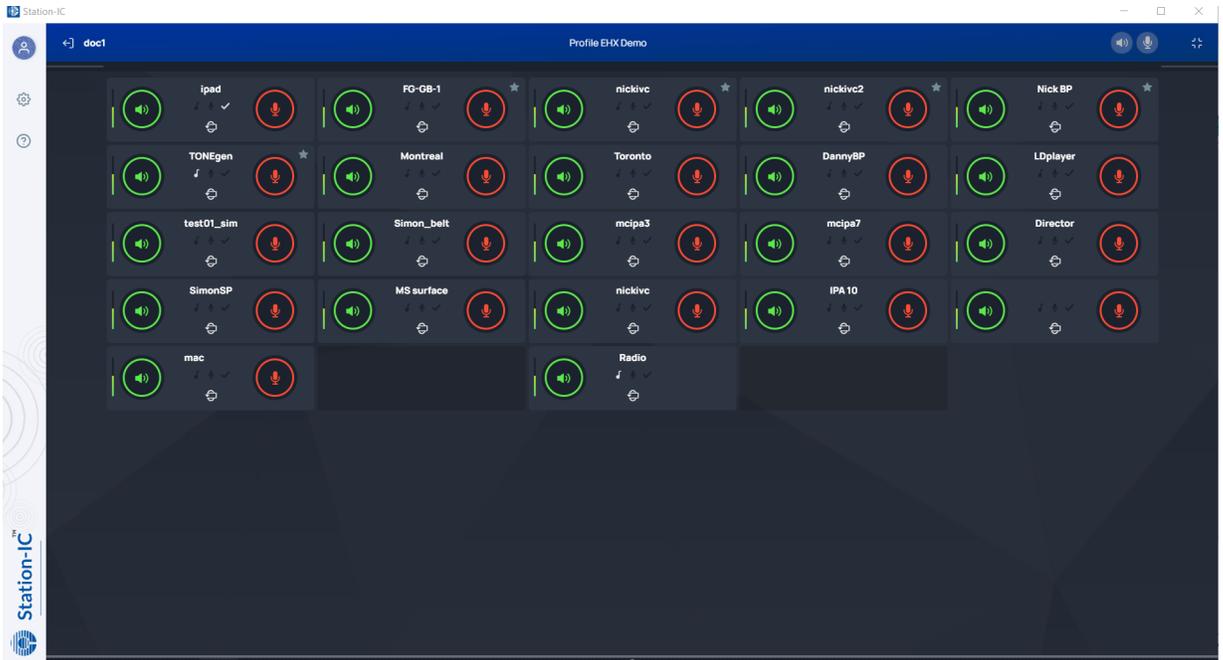
Table of contents

1 Introduction to Station-IC	4
2 Installing Station-IC	6
2.1 Example EHX configuration:	6
2.2 Example LQ Configuration	7
3 Station-IC Licenses	8
3.1 Obtain a license	8
4 Installing and Applying Licenses Online (Recommended)	10
4.1 Re-Hosting a License	12
5 Installing and Applying Licenses (file-based)	13
6 The Startup Screen	24
6.1 To begin using Station-IC:	24
6.2 Changing profiles	24
7 Configuring Station-IC	26
7.1 Configuring General Settings	26
7.2 Configuring an EHX Profile	27
7.3 Configuring an LQ Profile	28
8 Using Station-IC	30
8.1 Using Station-IC with EHX	31
8.2 Using Station-IC with LQ	39
9 Troubleshooting	48
9.1 Connecting to the Matrix	48
9.2 Network Issues	48
9.3 Configuration Issues	48
9.4 Poor Audio	49
9.5 Any Other Issues	49

1

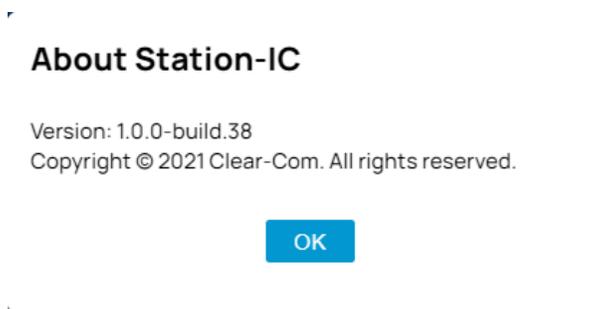
Introduction to Station-IC

Station-IC is a desktop application available for Microsoft® Windows® and Apple® macOS® computers which enables them to operate as a virtual intercom client for Eclipse HX (EHX) matrix systems and LQ Series interfaces.



For information about the Station-IC software version, click , and then **About**.

A screen appears with software version information.



To access the Station-IC User Guide, click , and then **User Guide**.



Sign up to receive alert emails when
new software or firmware is available

<https://clearcom.me/softwarealerts>

2 Installing Station-IC

To install Station-IC on your PC or Mac, download it from the Clear-Com website and install.

Note: *Be sure to enable Station-IC to pass through the system firewall.*

Station-IC is in demo mode until you purchase and install a license, available from your Clear-Com partner.

See **Installing and Applying Licenses Online (Recommended) on page 10**

Before you can connect to the host intercom system with your virtual client, you must first setup connection details in the target software user interface. Station-IC connects to the host system using a profile. You will need:

User credentials:

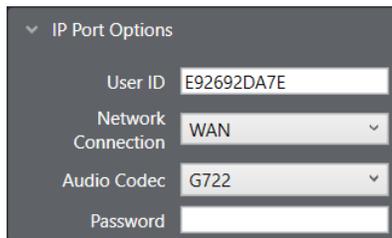
- User ID
- Password

Network:

- IP address for the system you are connecting to

2.1 Example EHX configuration:

IP port options (User ID and Password)



IP Port Options	
User ID	E92692DA7E
Network Connection	WAN
Audio Codec	G722
Password	

Note: *The port type must be **Virtual Client** in the host EHX software.*

E-IPA Card Properties (IP address)

2.2 Example LQ Configuration

User credentials are configured in the **Accounts** page of the LQ CCM:

#	Label	User ID	Password	Default Role	LQ Assignment	Status
C1	Michelle LQ	Michelle		None	Any	✓
C2	2	CC-Demo	Not Set	CC-Demo	LQ-R 4W#1	●

For more information on setting up the host system for Station-IC see:

- [The Station-IC Knowledge Center](https://www.clearcom.com/station-ic-knowledge-center) (<https://www.clearcom.com/station-ic-knowledge-center>)
- *Eclipse HX EHX User Guide* and the *LQ Series User Guide* available from the Clear-Com website.

3 Station-IC Licenses

Event Licenses - for time limited use

- ST-IC-1W : 1 user, 1 week
- ST-IC-1M : 1 user, 1 month

Subscription Licenses - for ongoing operation

- ST-IC-1Y Subscription Initiation: 1 user, 1 year
- ST-IC-ADD1Y Subscription Extension: 1 user, +1 year

Subscription License Bundles - for use on multiple computers

- ST-IC-8-1Y Subscription Initiation: 8 users, 1 year
- ST-IC-8-ADD1Y Subscription Extension: 8 users, +1 year

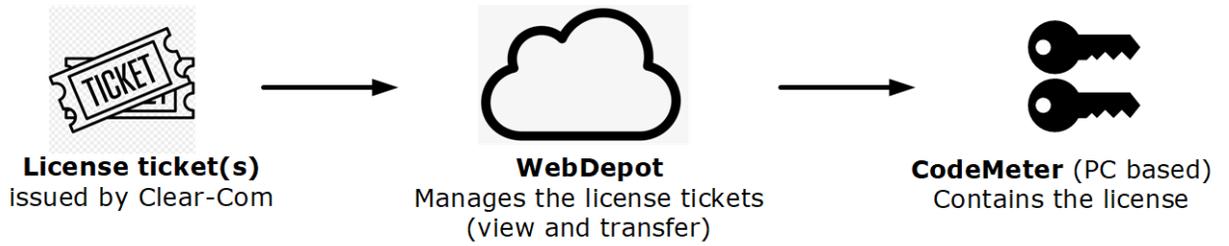
The following apply:

- Subscription licenses can be transferred between computers. Event licenses cannot be transferred.
- Event licenses activate and start depleting on first connection to the intercom system. Subscription licenses start depleting following initial activation. The remaining time does not stop while you transfer subscription licenses.
- An extension license will start from the time the subscription license lapsed.
- Multiple extensions can be installed at the same time. For example, for 3 years continuous use, install 1 Subscription Initiation and 2 Subscription Extensions. Subscription Initiation is installed before the extension.
- One event license can be installed on a computer at any one time, additional licenses will overwrite the first. If you wish to extend your event license, wait until it has expired and then install a new one.
- If you wish to use an event license on a computer that has previously hosted an initiation/subscription license, you must remove the subscription license before installing the event license. See **Re-Hosting a License on page 12**

3.1 Obtain a license

To obtain licenses for Station-IC, contact your Clear-Com partner. Once you have purchased your license(s), Clear-Com will send a license Ticket ID containing licenses codes to you.

Licenses are activated by you using a Cloud-based 'WebDepot' which transfers selected licenses from the license ticket to the 'CodeMeter' license manager (a software application) that runs on your computer. This process is described in the following section in this document.



4

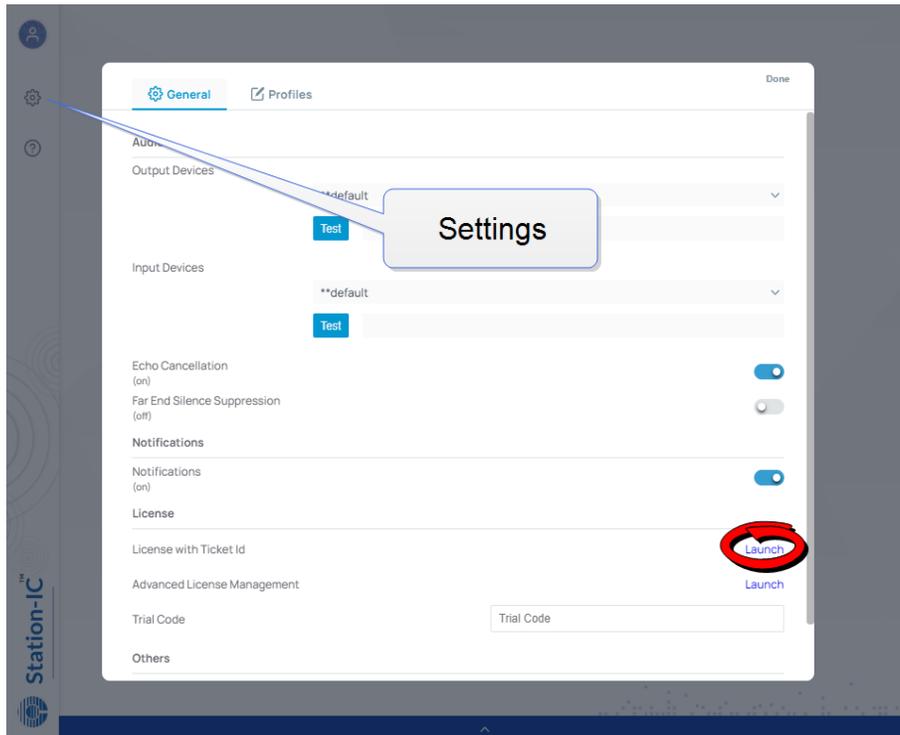
Installing and Applying Licenses Online (Recommended)

1. Download Station-IC from the Clear-Com website. Station-IC will open in demo mode.
2. Install the license manager (CodeMeter) by clicking the install icon. CodeMeter runs in the background on your PC, holding your licenses.

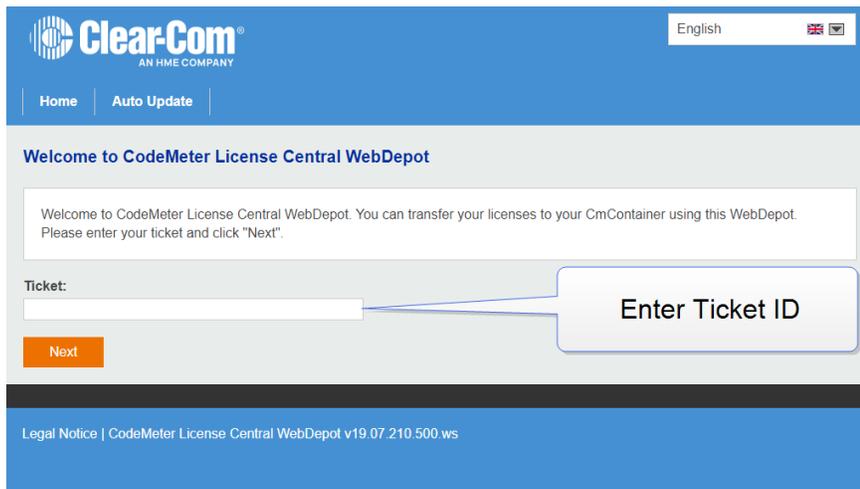
Note: After CodeMeter is installed, the install icon is no longer visible.



3. Once CodeMeter is installed on your computer, go to **Settings** in Station-IC and launch **License with Ticket ID**. (Trial Code is for factory service use only).



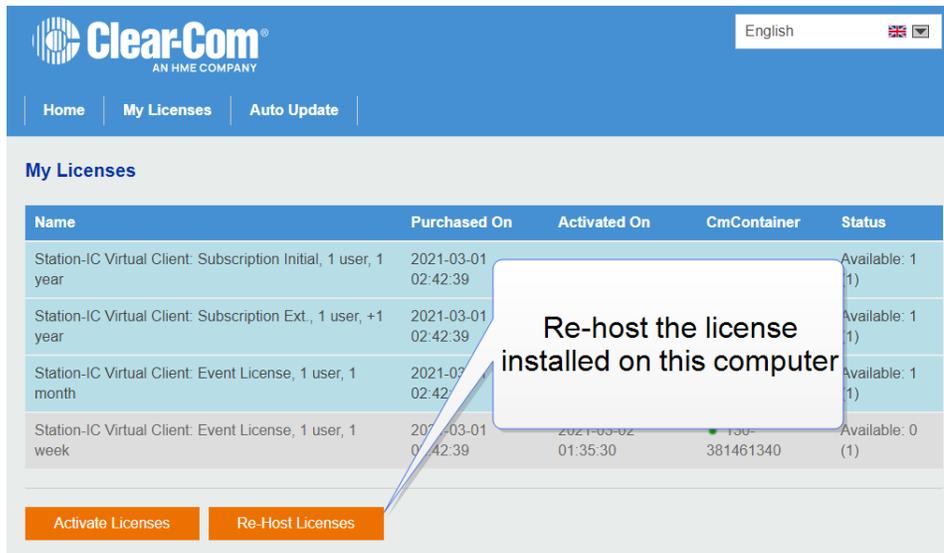
4. The online WebDepot opens. Copy and paste your Ticket ID, and click **Next**.



5. You will see the purchased licenses available to you on the license ticket. These licenses are managed by the WebDepot. Press **Activate Licenses**. Select the license(s) you wish to install on your computer, then select **Activate Selected Licenses Now**. Following the license transfer, Station-IC will be licensed and no longer in demo mode.

4.1 Re-Hosting a License

A license can be removed from a computer and returned to the license ticket using the WebDepot where it will be available to install on a different computer using the steps outlined above. The license ticket can then be used for another computer. To re-host a license go to **Settings>Launch with Ticket ID** (step 3). You will need your Ticket ID to do this.

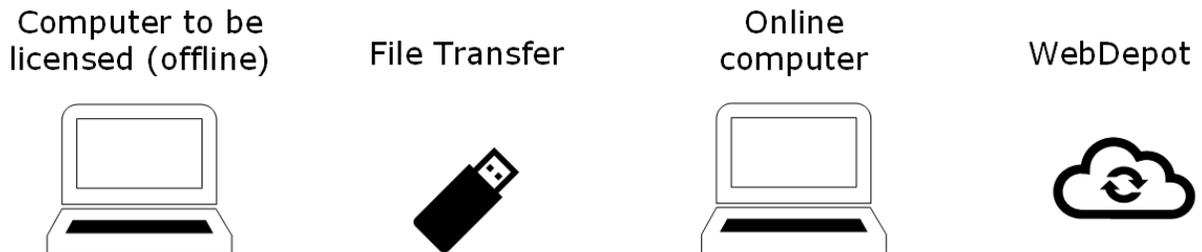


The screenshot shows the Clear-Com web interface. At the top, there is a navigation bar with the Clear-Com logo and the text 'AN HME COMPANY'. To the right of the logo, there is a language dropdown menu set to 'English' and a flag icon. Below the navigation bar, there are three menu items: 'Home', 'My Licenses', and 'Auto Update'. The 'My Licenses' section is active, displaying a table of licenses. The table has five columns: 'Name', 'Purchased On', 'Activated On', 'CmContainer', and 'Status'. There are four rows of license data. Below the table, there are two buttons: 'Activate Licenses' and 'Re-Host Licenses'. A callout box with a white background and a blue border points to the 'Re-Host Licenses' button. The text inside the callout box reads: 'Re-host the license installed on this computer'.

Name	Purchased On	Activated On	CmContainer	Status
Station-IC Virtual Client: Subscription Initial, 1 user, 1 year	2021-03-01 02:42:39			Available: 1 (1)
Station-IC Virtual Client: Subscription Ext., 1 user, +1 year	2021-03-01 02:42:39			Available: 1 (1)
Station-IC Virtual Client: Event License, 1 user, 1 month	2021-03-01 02:42:39			Available: 1 (1)
Station-IC Virtual Client: Event License, 1 user, 1 week	2021-03-01 02:42:39	2021-03-02 01:35:30	381461340	Available: 0 (1)

5 Installing and Applying Licenses (file-based)

If your computer does not have internet access, it is possible to transfer the licenses using a license file exchange. You will obtain a container for the license files from CodeMeter, installed on the computer that needs to be licensed, and load it with a license from the license ticket using the WebDepot.



1. Activate license using file-based transfer



Obtain a .WibuCmRaC file from the computer to be licensed (CodeMeter). Go to WebDepot and activate the license using **File-based license transfer** option.

2. Install the license on the required computer



Take the file update file (.WibuCmRaC) back to the computer to be licensed. Install the license (CodeMeter).

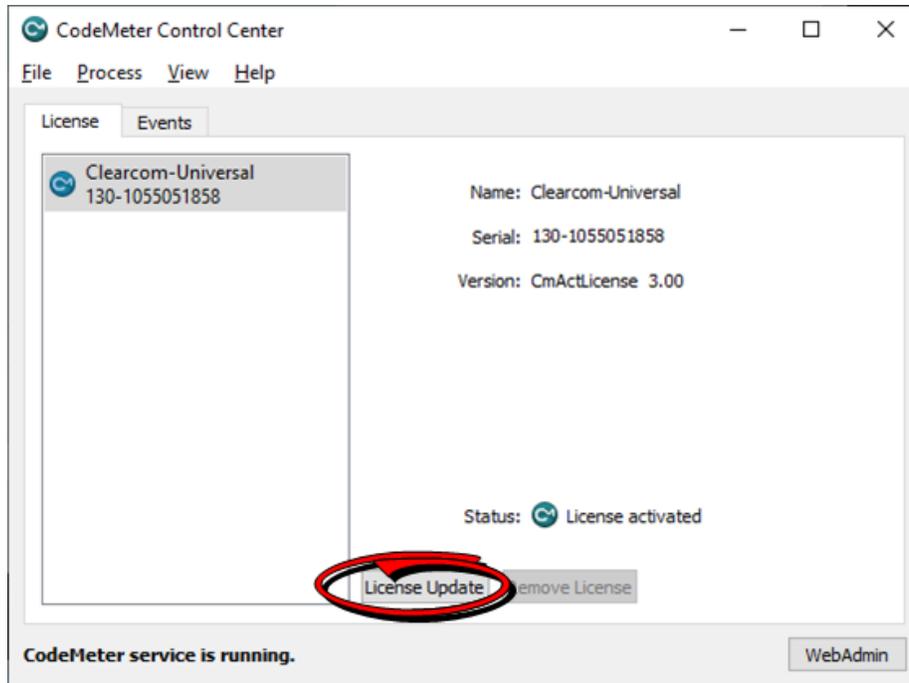
3. Obtain a receipt and return to the WebDepot



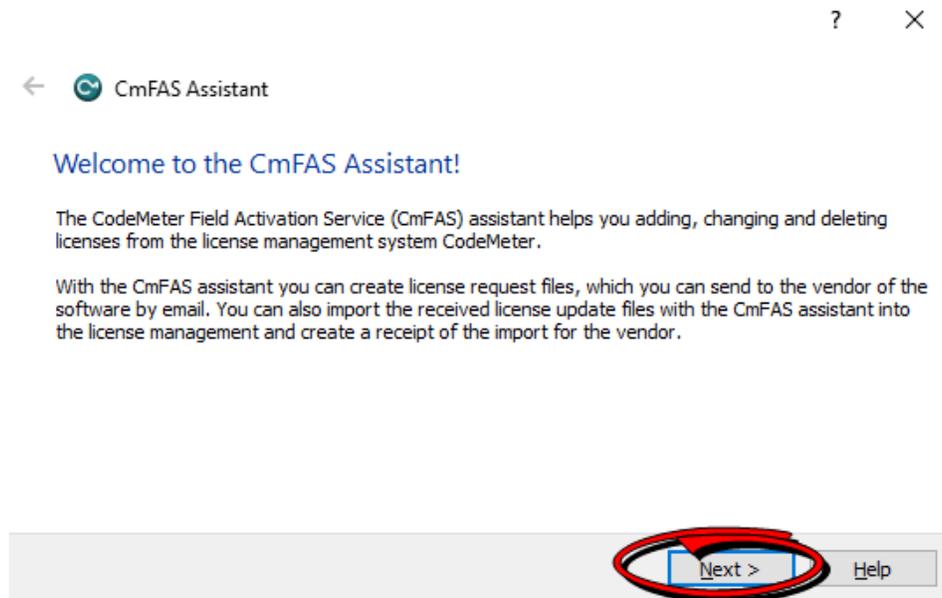
Obtain a receipt from CodeMeter (.WibuCmRaC) and return this to the WebDepot.

Note: For information on how to install and apply licenses when you have internet access (recommended), see [Installing and Applying Licenses Online \(Recommended\)](#) on page 10.

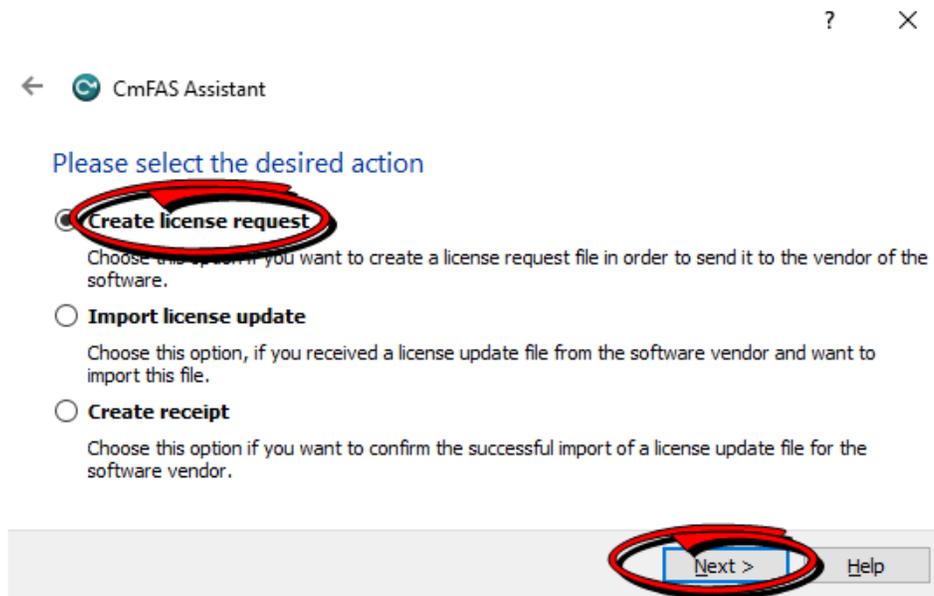
1. From CodeMeter Control Center, click **License Update**.



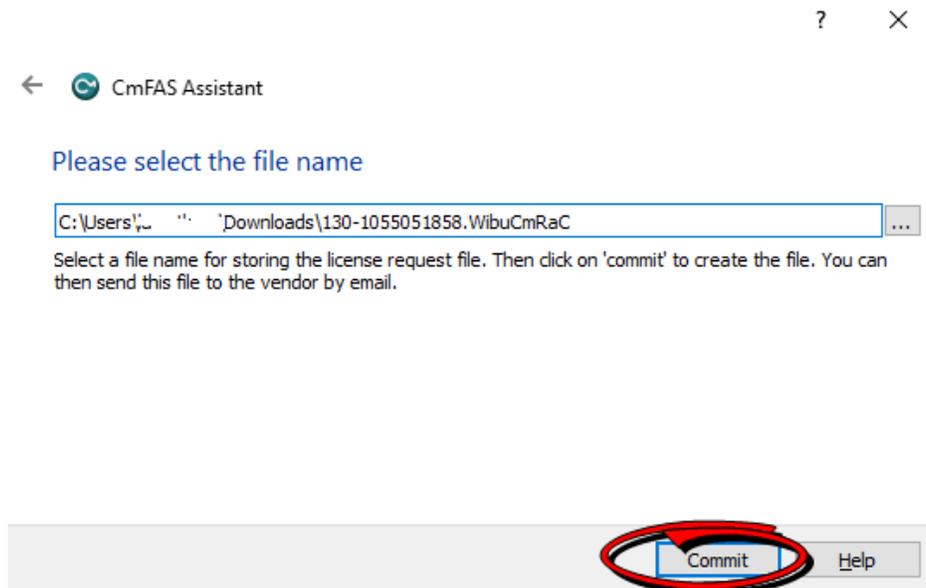
2. Click **Next**.



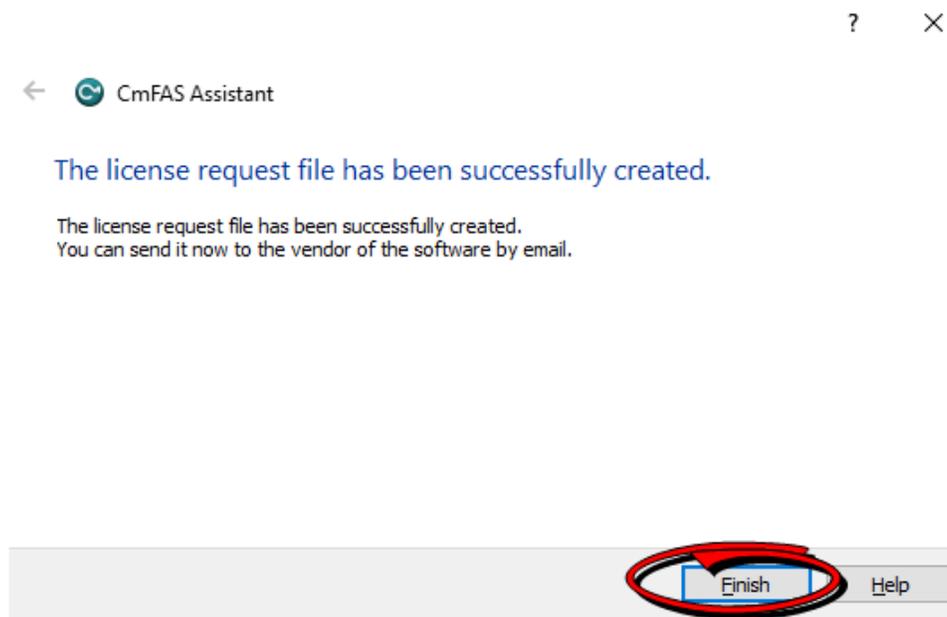
3. Select **Create license request**, and then click **Next**.



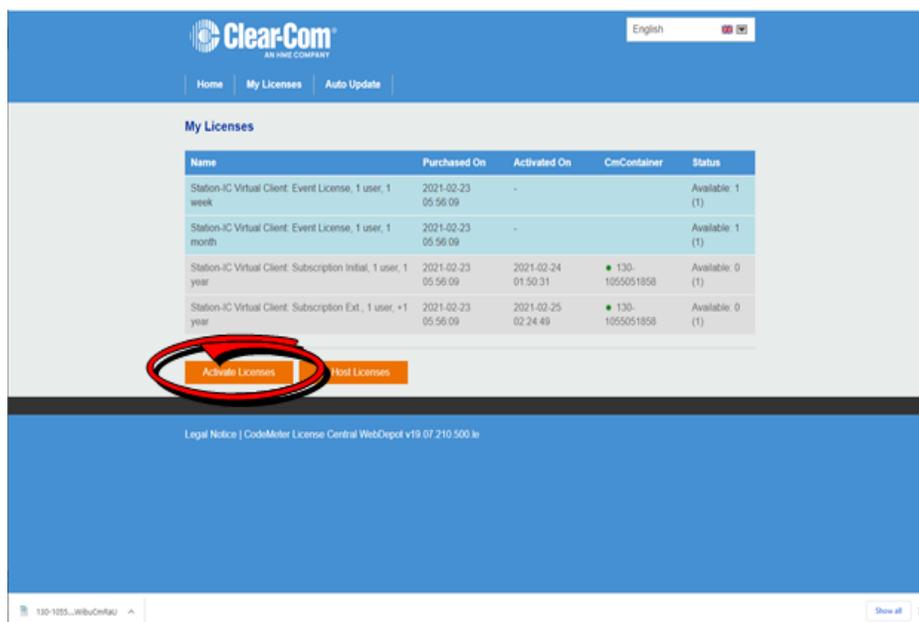
4. Navigate to a location where you want to save the file. Click **Commit**.



5. Click **Finish**.



6. Enter your Ticket in **WebDepot**, and then click **Activate Licenses**.



7. Click **File-based license**.

The screenshot shows the 'Available Licenses' page in the Clear-Com interface. At the top, there is a navigation bar with 'Home', 'My Licenses', and 'Auto Update'. Below this, the 'Available Licenses' section contains instructions on how to activate licenses. A table lists two available licenses:

Name	Purchased On	Activated On	CmContainer	Status
Station-IC Virtual Client: Event License, 1 user, 1 week	2021-02-23 05:56:09	-		Available
Station-IC Virtual Client: Event License, 1 user, 1 month	2021-02-23 05:56:09	-		Available

Below the table, there is a 'Select CmContainer' dropdown menu set to '130-1055051858 (Clearcom-Universal)'. There is also a 'Comment' field and an 'Activate Selected Licenses Now' button. A red circle highlights the 'File-based license transfer' button.

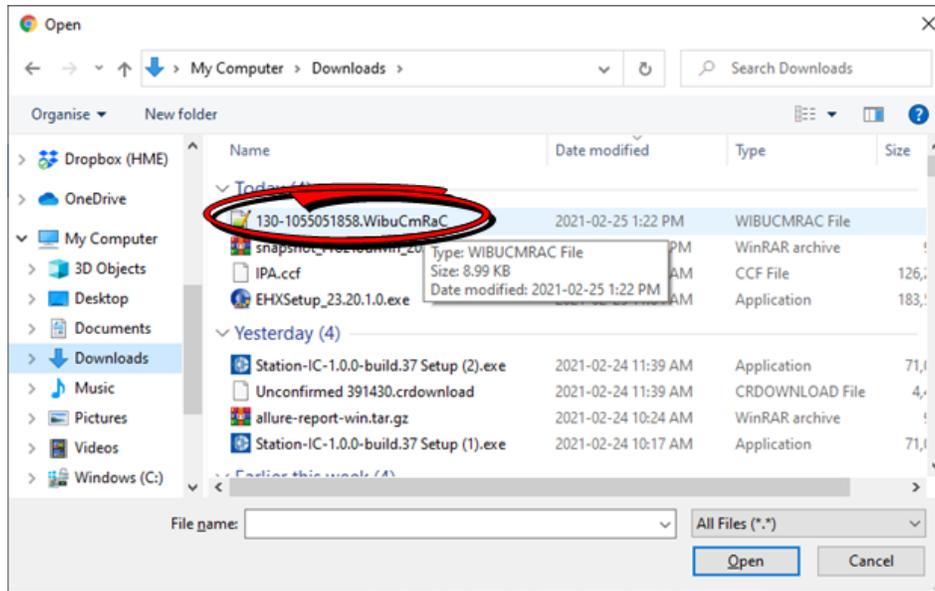
8. Select the license you want to activate, and then click **Choose File**.

The screenshot shows the 'Available Licenses' page with the 'Upload Request' step selected. The page displays instructions for activating licenses via file transfer. A table lists three licenses, with the second one selected:

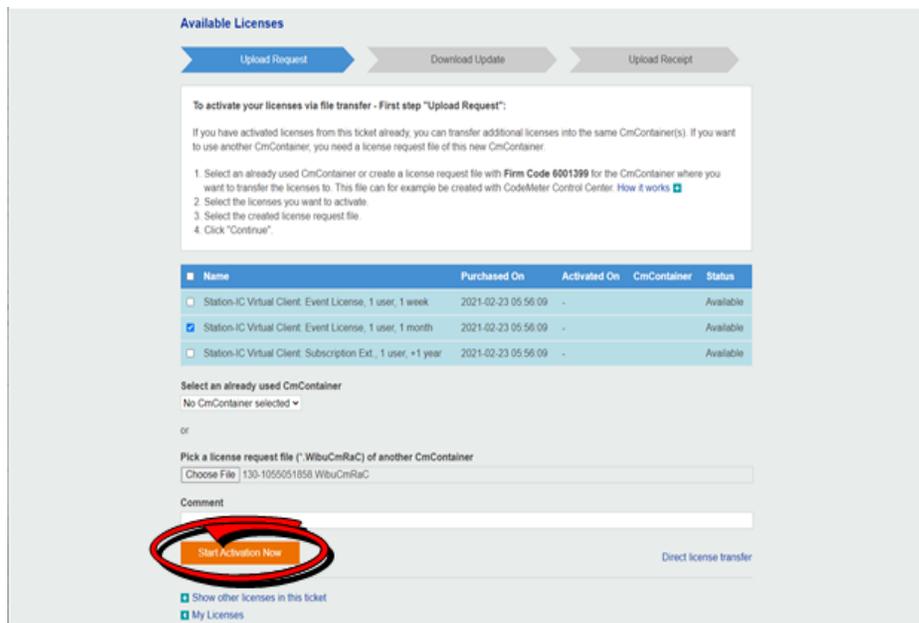
Name	Purchased On	Activated On	CmContainer	Status
Station-IC Virtual Client: Event License, 1 user, 1 week	2021-02-23 05:56:09	-		Available
Station-IC Virtual Client: Event License, 1 user, 1 month	2021-02-23 05:56:09	-		Available
Station-IC Virtual Client: Subscription Ext., 1 user, +1 year	2021-02-23 05:56:09	-		Available

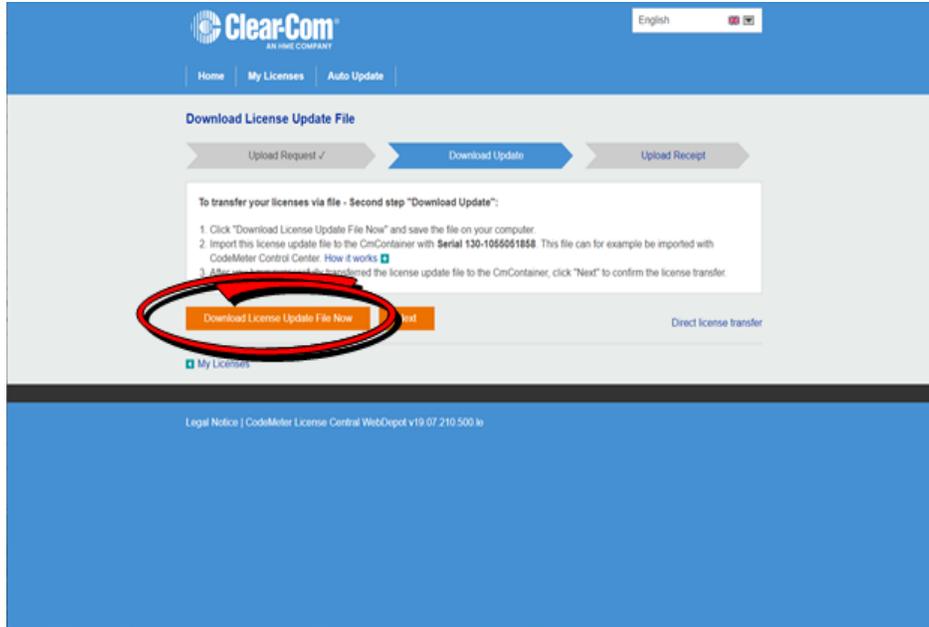
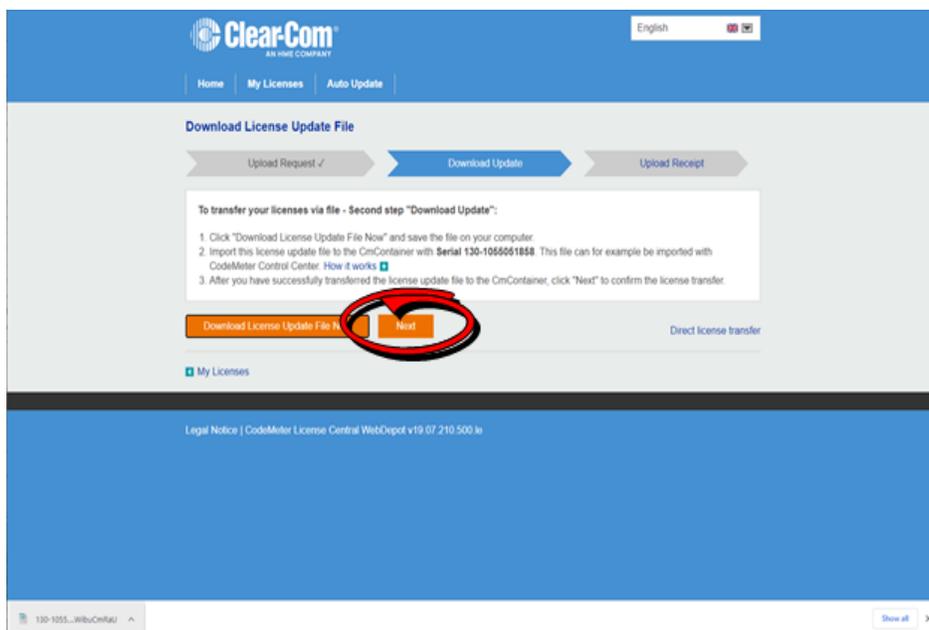
Below the table, there is a 'Select an already used CmContainer' dropdown menu set to 'No CmContainer selected'. There is also a 'Choose File' button circled in red.

9. Select the *.WibuCmRaC* file that you saved earlier.

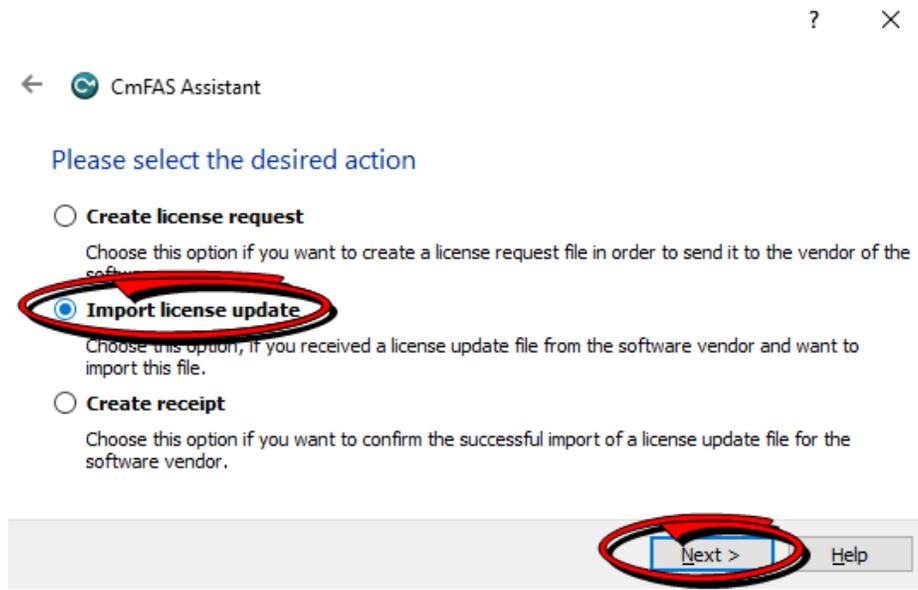


10. Click **Start Activation Now**.

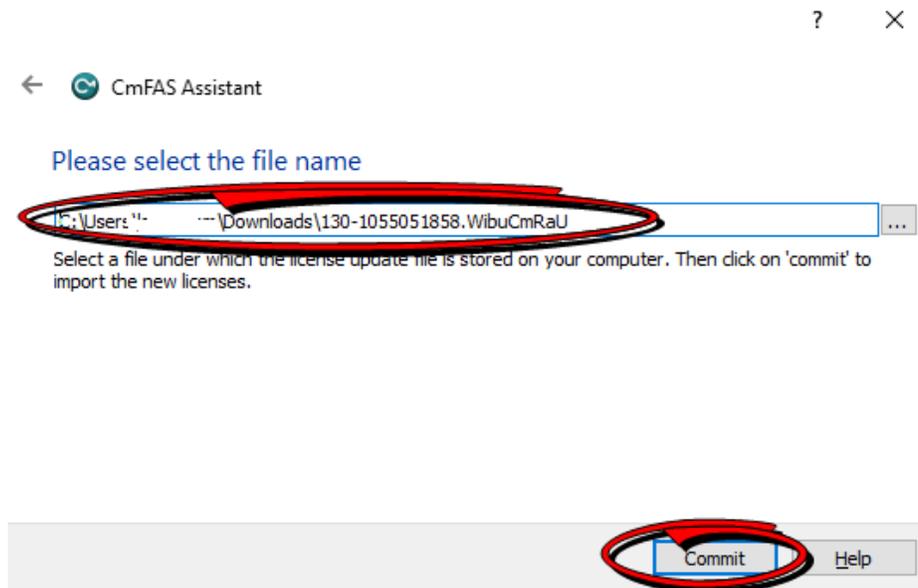


11. Click **Download License Update File Now**.12. Click **Next**.

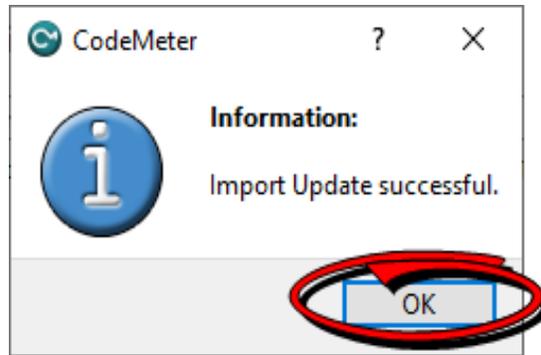
13. From CodeMeter Control Center, select **Import license update**, and then click **Next**.



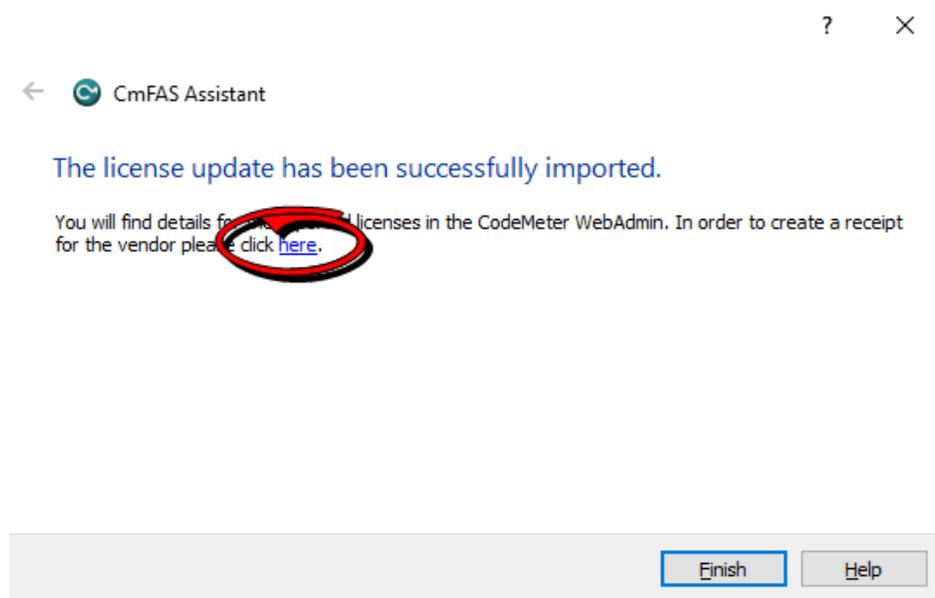
14. Select the *.WibuCmRaU* file that you downloaded in step 9, and then click **Commit**.



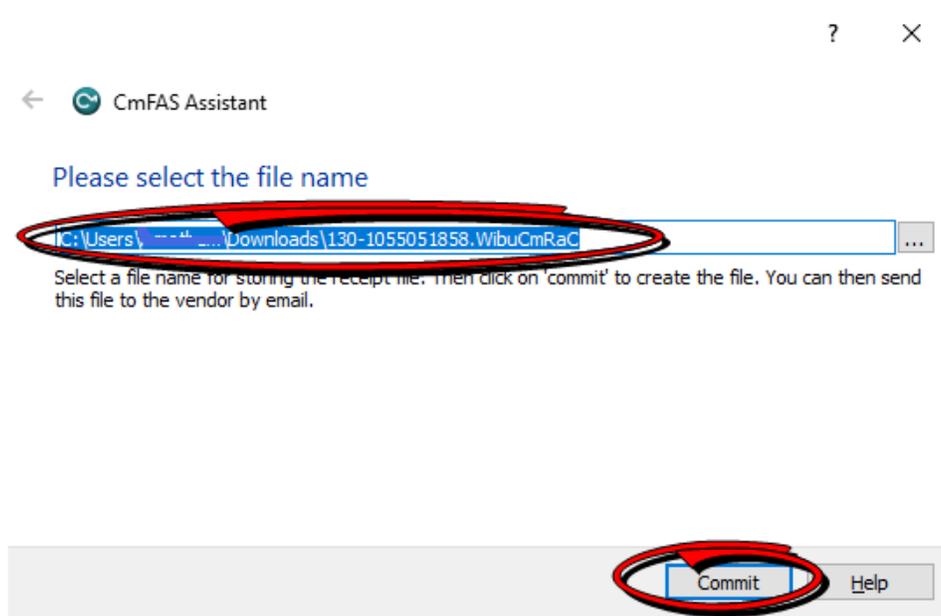
15. Click **OK**.



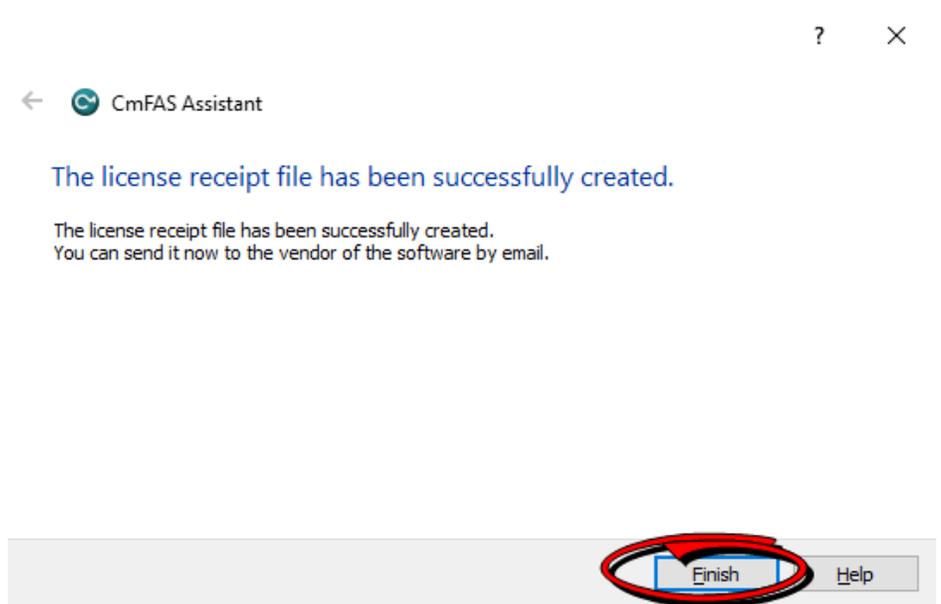
16. Click on the highlighted link.



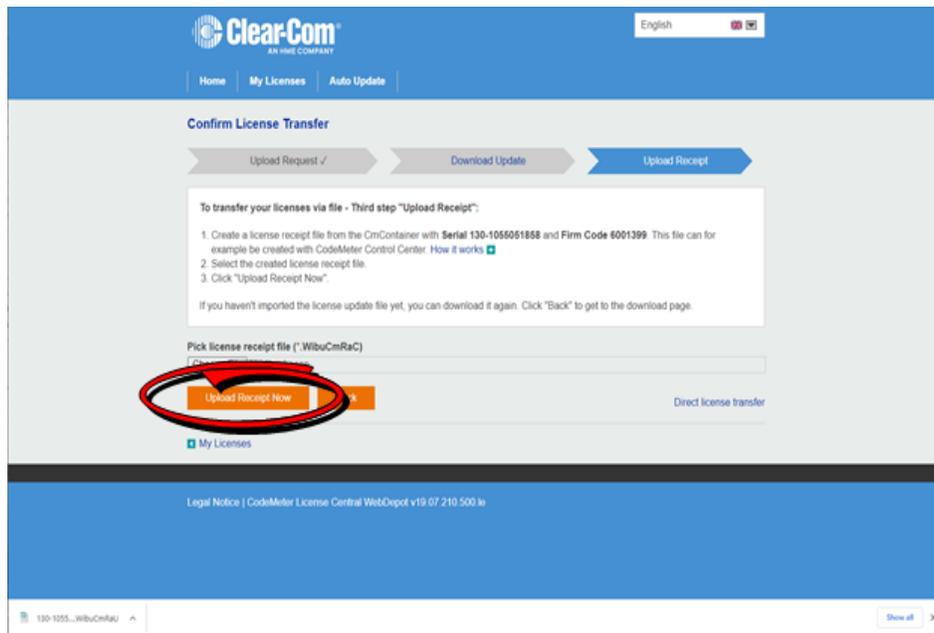
17. Save this new *.WibuCmRaC* file, and then click **Commit**.



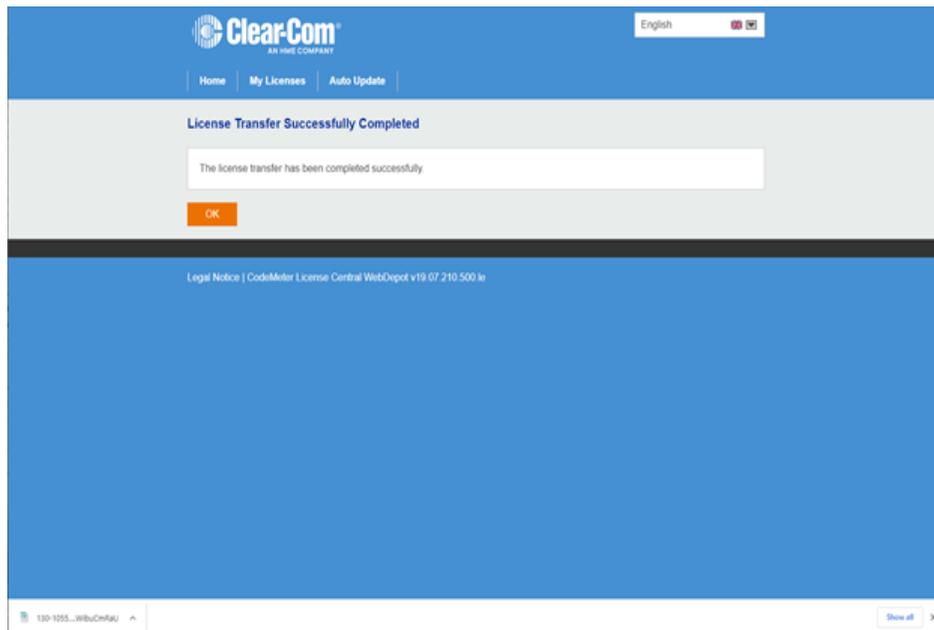
18. Click **Finish**.



19. From the WebDepot Control Center, click **Choose File** and pick the last *.WibuCmRaC* file. Click **Upload Receipt Now**.

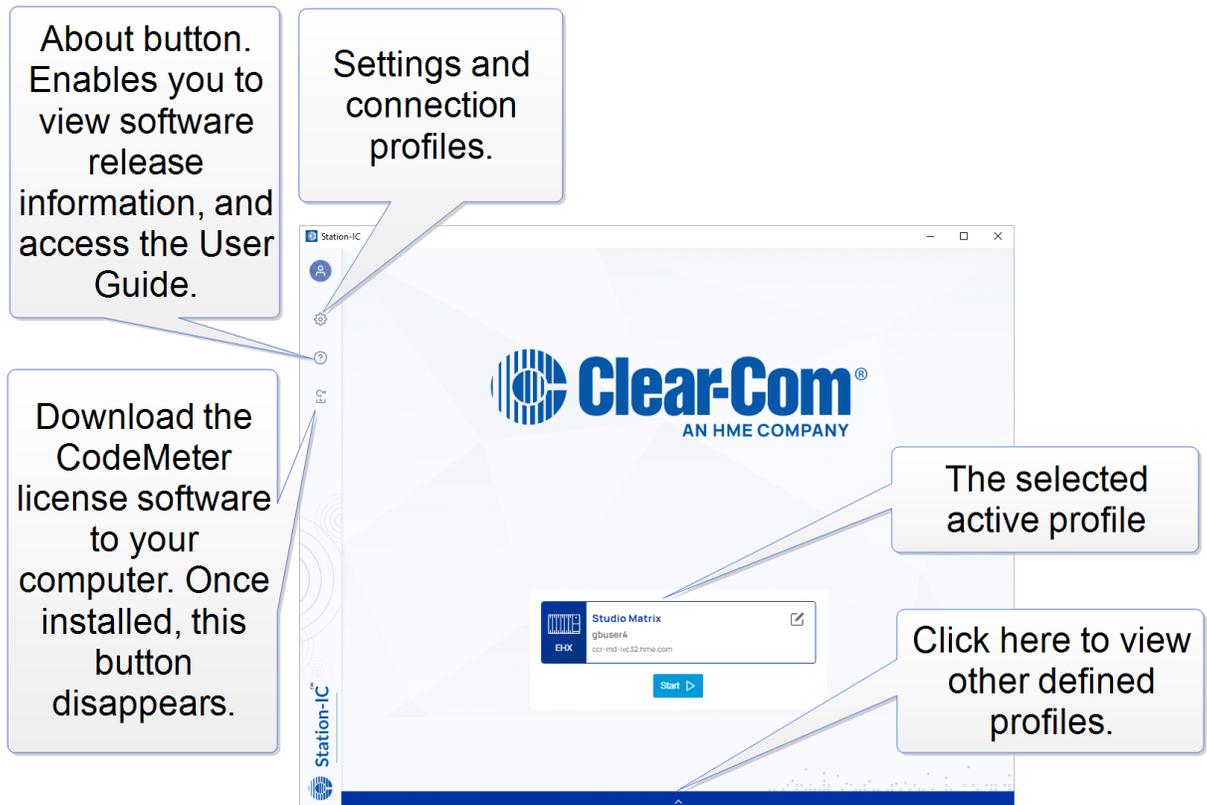


20. A final confirmation screen appears.



6 The Startup Screen

When you open Station-IC, the **Startup** screen appears:



6.1 To begin using Station-IC:

Select **Start**. You will connect to the device specified by the selected profile. On first connection this will be the Clear-Com demo system or, in normal usage, the system last connected to.

6.2 Changing profiles

Click the profile selection drawer to see other profiles. Available profiles: 2 x Eclipse, 2 x LQ.

The screenshot displays the Station-IC user interface. At the top right, the text "User Guide | Station-IC™" is visible. The main interface features a large blue header bar with a white "Profile EHX Demo" card. This card includes an EHX icon, the name "Profile EHX Demo", the identifier "doc2", and the IP address "206.47.10.200". A "Start" button with a play icon is located on the right side of this card. Below the header, there are four smaller profile cards arranged in a 2x2 grid. The top-left card is a white "Profile EHX Demo" card with a blue EHX icon, "doc2", and "206.47.10.200". The top-right card is a blue "Profile EHX Demo" card with a white EHX icon, "doc2", and "206.47.10.200". The bottom-left card is a white "Profile LQ Demo" card with a blue LQ icon, "CC-Demo", and "agent-ic-lq.clearcom.com". The bottom-right card is a blue "Profile LQ Demo" card with a white LQ icon, "CC-Demo", and "agent-ic-lq.clearcom.com". Each card has a play button icon on the right side.

Note: You may wish to edit the selected profile. See *Configuring Station-IC* on page 26 .

7

Configuring Station-IC

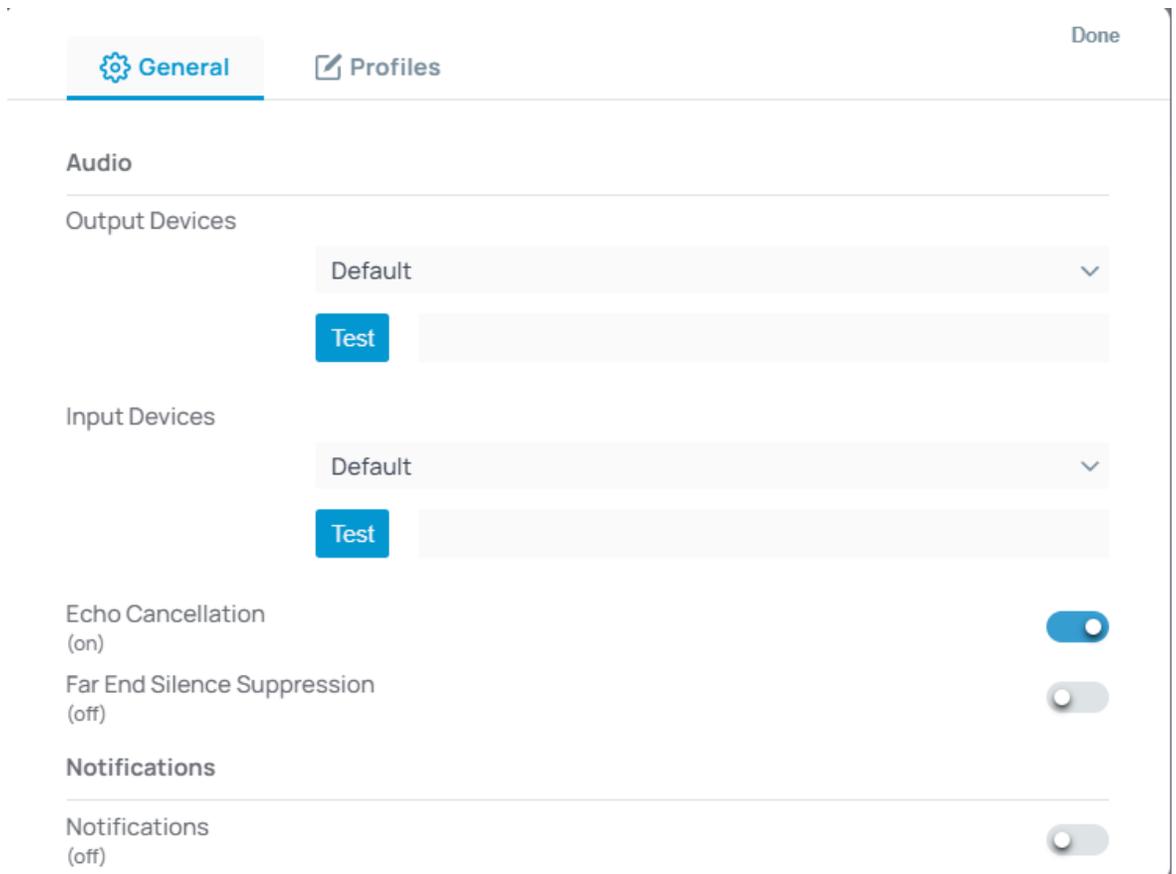
You can configure Station-IC as follows:

- **General Settings.** This includes audio input and output devices such as microphones and loudspeakers. It also includes audio quality settings, notifications, links to licensing tools and data usage diagnostics.
- **Profiles.** A profile is a collection of settings including user credentials, network address and port number, that enable you to connect with the required intercom host system. Profile settings must match corresponding settings in the host intercom system. Profiles are available for EHX and LQ.

7.1 Configuring General Settings

To configure Station-IC general settings:

1. Click on the Settings icon,  The Settings dialog screen appears



The screenshot shows the 'Settings' dialog with the 'General' tab selected. The 'Audio' section includes 'Output Devices' and 'Input Devices', each with a 'Default' dropdown menu and a 'Test' button. Below this are 'Echo Cancellation (on)' and 'Far End Silence Suppression (off)', both with toggle switches. The 'Notifications' section has a 'Notifications (off)' toggle switch. A 'Done' button is visible in the top right corner.

2. Ensure that the **General** tab is selected. Edit the settings as required, and then select **Done**.

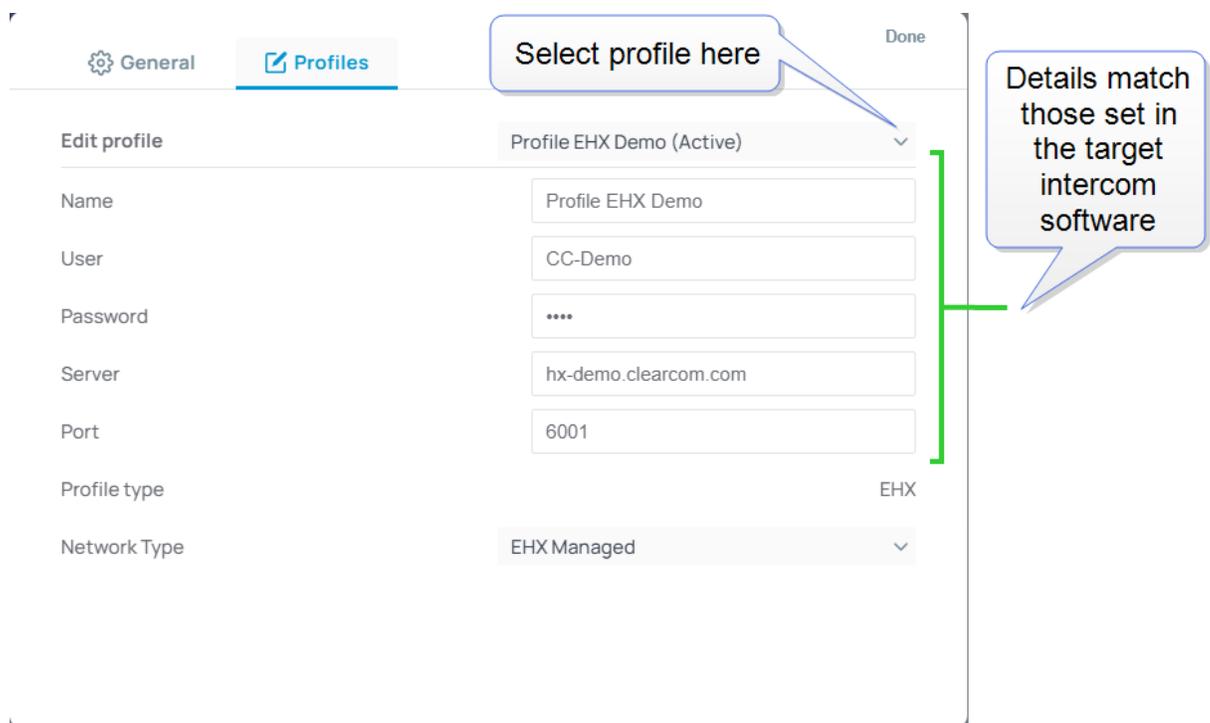
Note: Click the dropdown arrow to select *Input and Output* audio devices from those available on your PC. Click **Test** to make sure that the audio devices are functioning.

Note: *Echo Cancellation* can reduce echo and thus improve audio quality. *Far End Silence suppression*, by stopping transmission when there is no audio on the line, can reduce your bandwidth consumption to the host intercom system.

7.2 Configuring an EHX Profile

To configure an EHX profile:

1. Click on the Settings icon,  The Settings dialog screen appears:



The screenshot shows the 'Profiles' tab in the Settings dialog. The 'Edit profile' section is active, showing the following fields:

- Name:** Profile EHX Demo
- User:** CC-Demo
- Password:** ****
- Server:** hx-demo.clearcom.com
- Port:** 6001
- Profile type:** EHX
- Network Type:** EHX Managed

A callout box labeled 'Select profile here' points to the dropdown menu for the profile name. Another callout box labeled 'Details match those set in the target intercom software' points to the profile details.

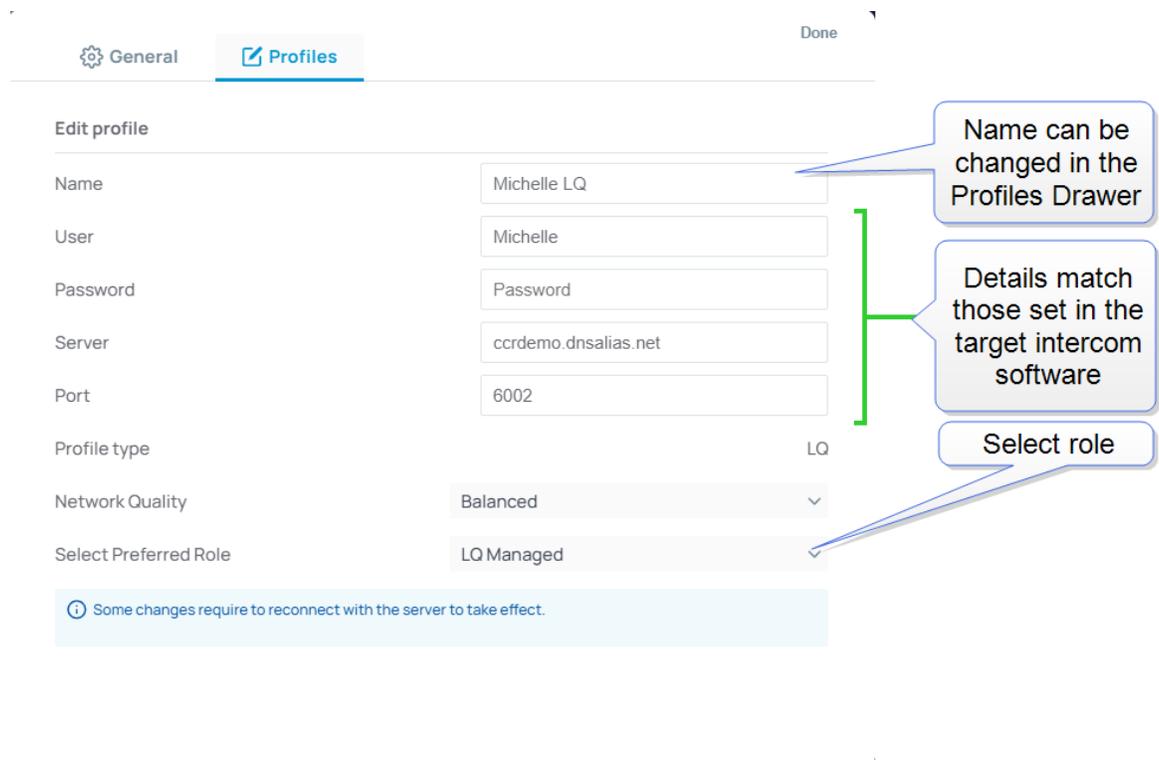
2. Ensure that the **Profiles** tab is selected.
3. Edit the settings as required by the host intercom system, and then select **Done**.

Network type	Description/comments
LAN	LANs (Local Area Networks) usually cover a small area, such as an office, single building or business.
WAN	WANs (Wide Area Networks) cover a broad area and may include any number of local area networks (LANs).
Internet	Global network that may be used to connect local networks in various locations around the world.
EHX managed	Station-IC follows the port settings set in the EHX configuration software.

7.3 Configuring an LQ Profile

To Configure an LQ Profile:

1. Click on the Settings icon,  The Settings dialog screen appears.
2. Ensure that the **Profiles** tab is selected:



The screenshot shows the 'Profiles' configuration screen with the following fields and values:

- Name:** Michelle LQ
- User:** Michelle
- Password:** Password
- Server:** ccrdemo.dnsalias.net
- Port:** 6002
- Profile type:** LQ
- Network Quality:** Balanced
- Select Preferred Role:** LQ Managed

Callouts provide additional information:

- Name can be changed in the Profiles Drawer** (points to the Name field)
- Details match those set in the target intercom software** (points to the User, Password, Server, and Port fields)
- Select role** (points to the Select Preferred Role dropdown)

A note at the bottom states: "Some changes require to reconnect with the server to take effect."

3. Edit the settings as required by the host intercom system.
4. Select a role, and then select **Done**.

Note: *The role can be fixed by the LQ CCM interface. In this case, you will not be able to select a role as it will be allocated automatically by the host intercom system.*

Once you have accessed the system, a user selectable role is indicated by a star in the Station-IC keysets screen:



Note: *If the role for your intercom client has been configured as fixed in the LQ CCM, you cannot select a different role. If you try to select a different role, you will see an exclamation mark in a triangle next to the role selection drop-down. This indicates that the role you have tried to select will not be applied to Station-IC.*

Network type	Description/comments
High	LAN only
Balanced	LAN or WAN
Low	Internet

8 Using Station-IC

Station-IC operates as a virtual intercom client to two Clear-Com systems.

- Eclipse HX (EHX) matrix systems
- LQ Series interfaces

The key display and operation is slightly different on the two systems.

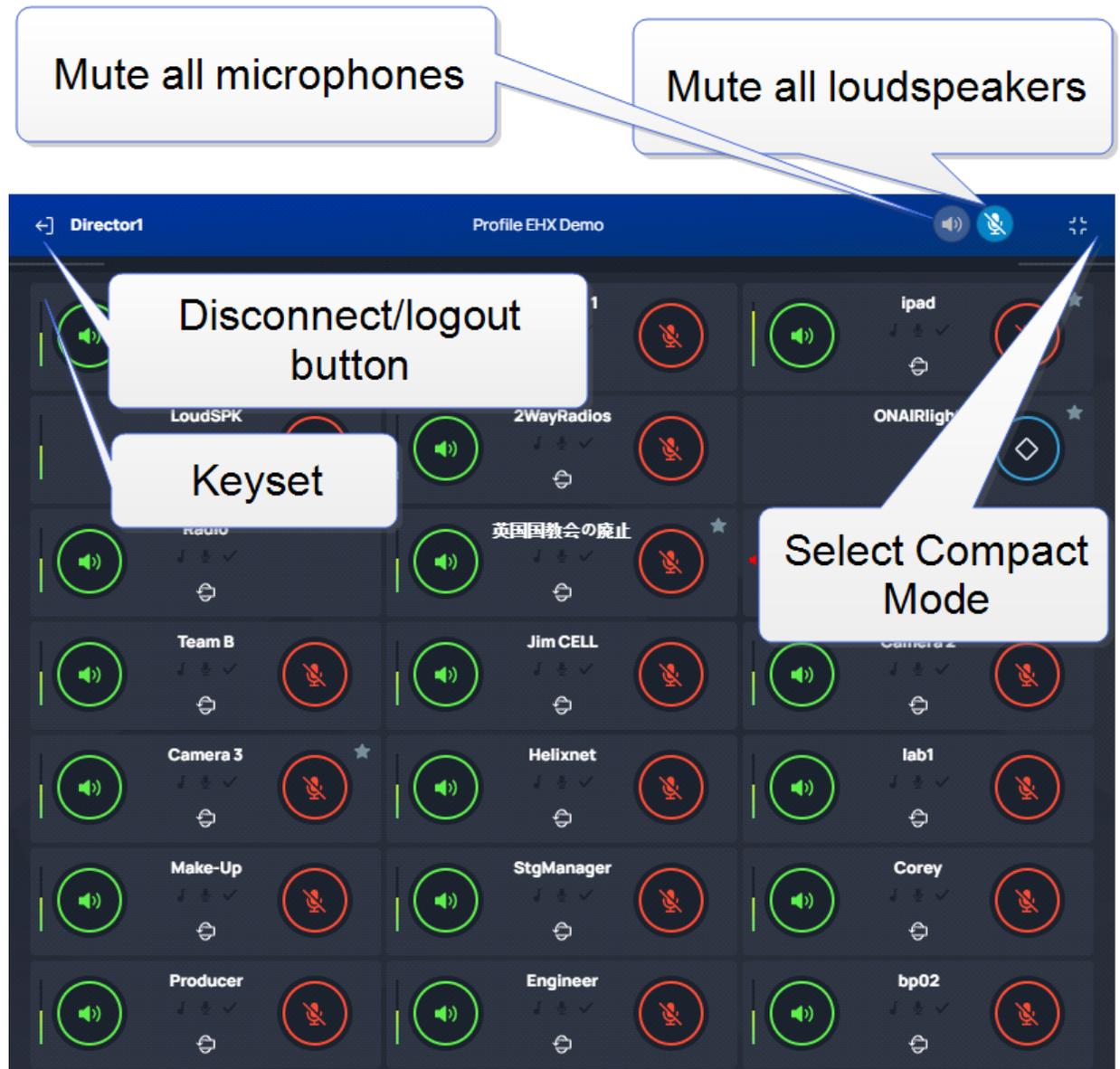
Using Station-IC with EHX on page 31

Using Station-IC with LQ on page 39

8.1 Using Station-IC with EHX

8.1.1 The Keysets Screen

When you connect to the device specified in your selected profile, the **Keysets** screen appears. You can have up to 23 keysets.

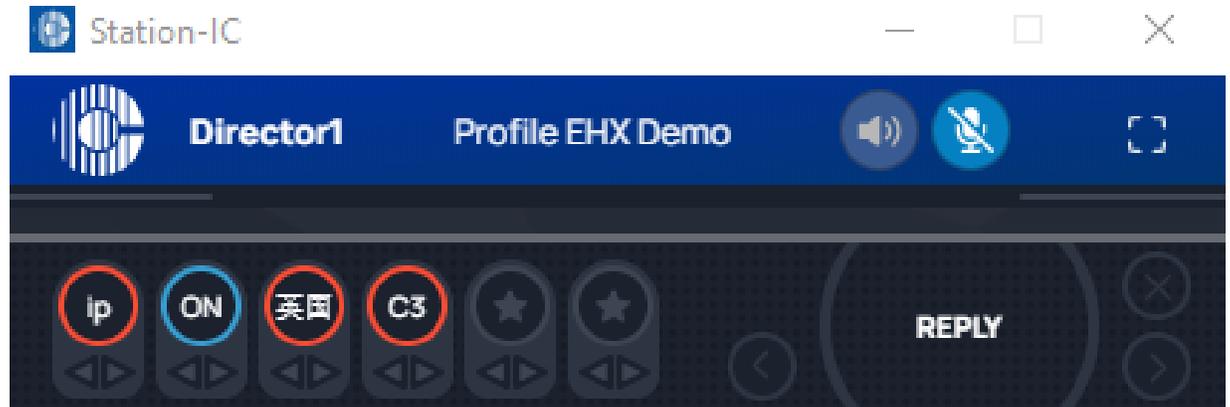


8.1.2 Select Operation Mode

You can use Station-IC in two modes:

Normal Mode - you can resize the screen to any required size. The keysets will responsively adjust to fit the screen size.

Compact Mode - a small screen containing up to six keysets floats on top of the programs on the user's desktop. You can position the compact screen as required. This enables you to use Station-IC while you use your main screen for other applications. This screen appears on top of any other applications that are open.



To select Compact Mode, click the  icon.

To return to Normal mode, click the  icon.

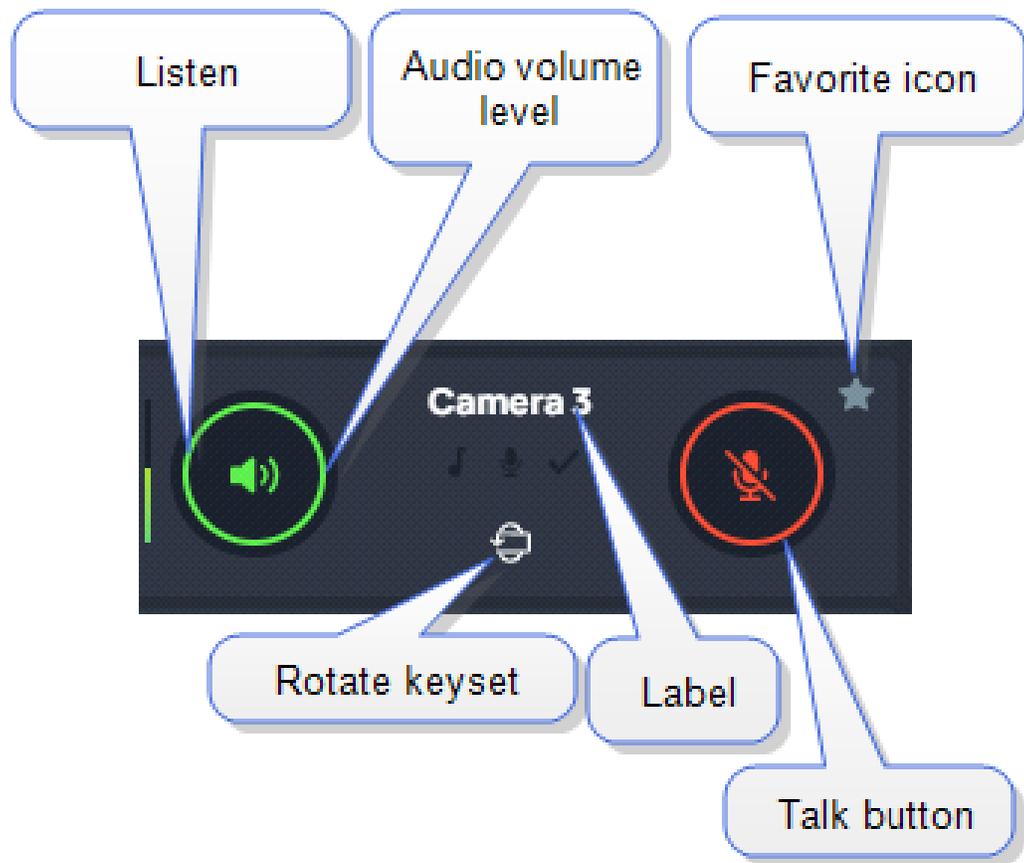
8.1.3 Using Keysets

A keyset is a set of controls associated with an audio assignment that enables you to communicate with an endpoint user or a conference/partyline. For example, you can talk or listen to an intercom panel, or take part in a conference (partyline) group. Keysets can also be used to talk to interruptible foldbacks (IFBs), controls such as call signals, GPIO and logic functions, and direct interface ports.

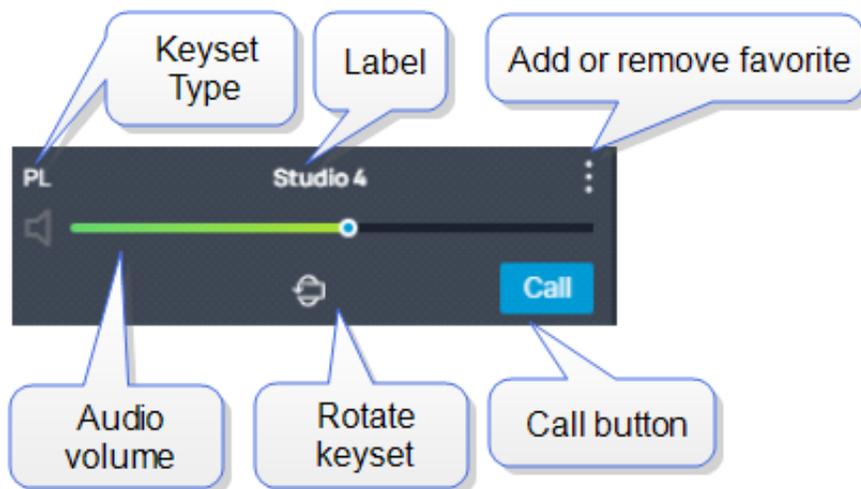
Each keyset can have:

- A green Listen key
- A red Talk key
- A volume indicator
- A label that identifies the keyset

Front View of Keypad



Back View of Keypad



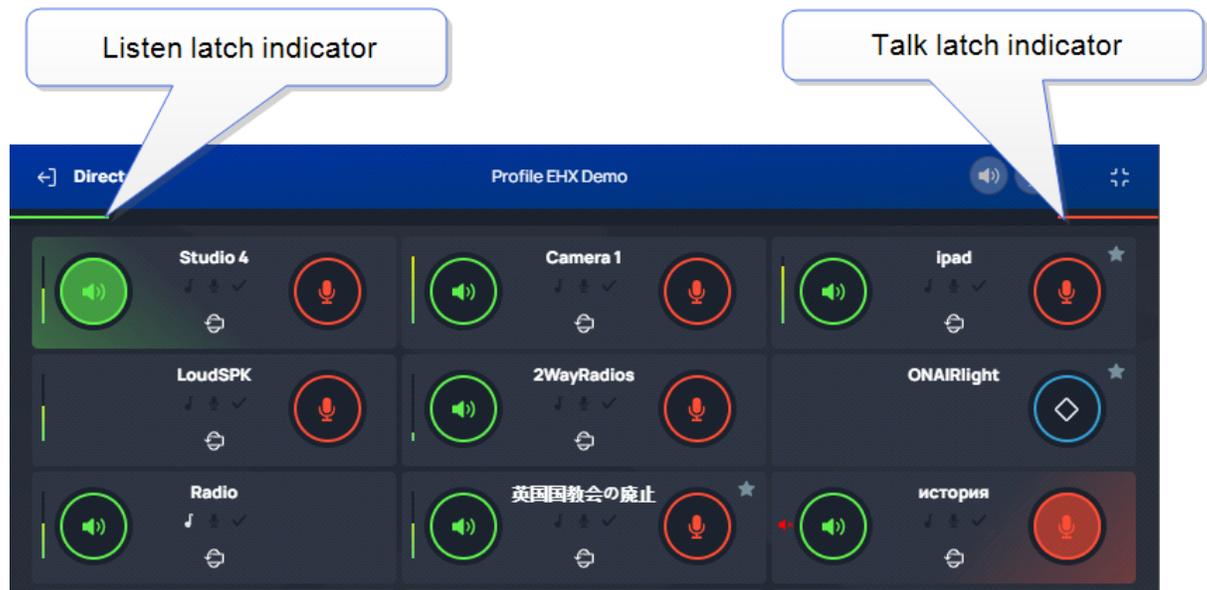
Using Talk and Listen Keys

Select the Red Talk  or Green Listen key  to talk or listen respectively.

When a Talk or Listen key is active, it is highlighted as follows,  and .

Note: *If you select Talk or Listen with a brief mouse click the key will latch. This means that the Talk or Listen function remains active until you click the button again to deselect it.*

Note: *If you click and hold the Talk or Listen key, the key remains active until you release it. You will see Talk/Listen latch indicators at the top of the screen.*



Eavesdropping

When another user has a key latched to listen to you, you will see an eavesdropping icon in the top bar. This shows you that someone is listening.



Adjusting Volume

To adjust the volume, click , and then use the green slider control to adjust the audio volume.

Muting microphones and loudspeakers

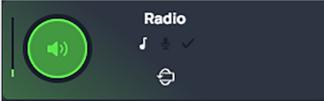
To mute all microphone and loudspeakers across all the keysets:

Click on  or  respectively. When all the microphones or all the loudspeakers are muted the icons display with line across them,  .

Call Signal

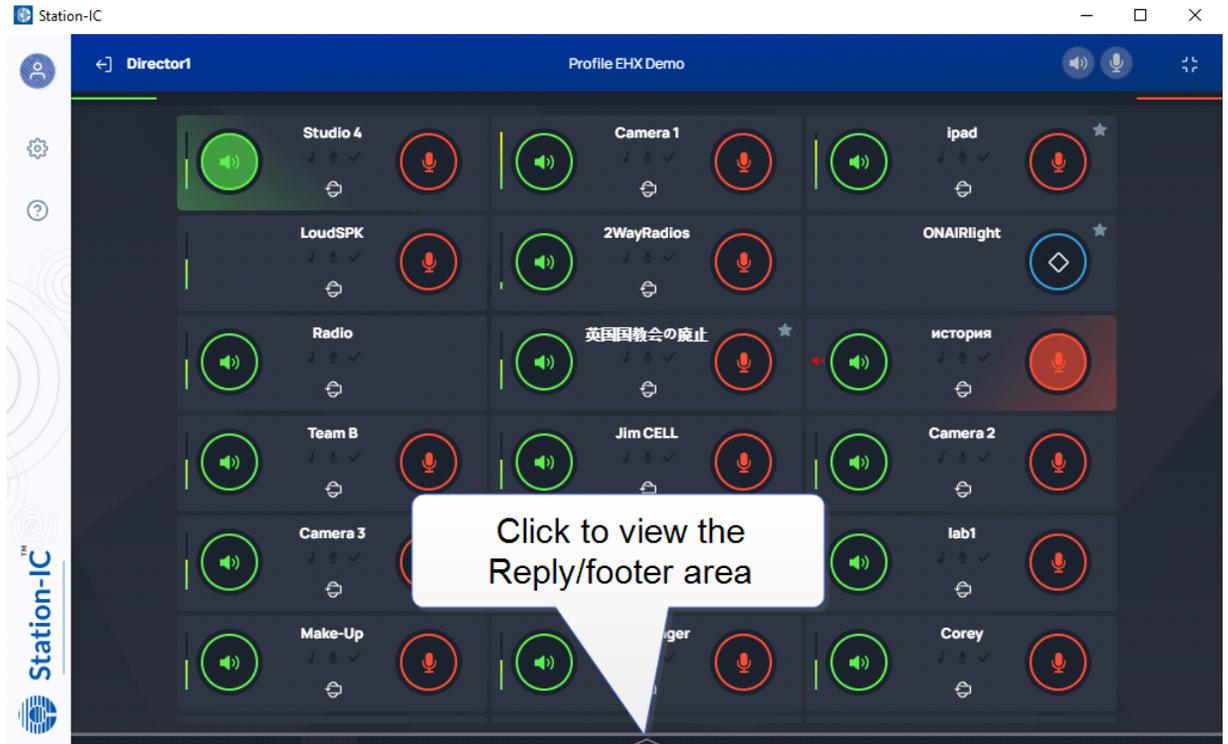
To send a call signal, click  and then click .

Tally Icons

Tally Icon	Indication
<p>Quaver</p> 	<p>Audio presence tally</p>
<p>Microphone</p> 	<p>In-use tally</p>
<p>Checkmark</p> 	<p>Panel connected tally</p>

Using the Reply Key

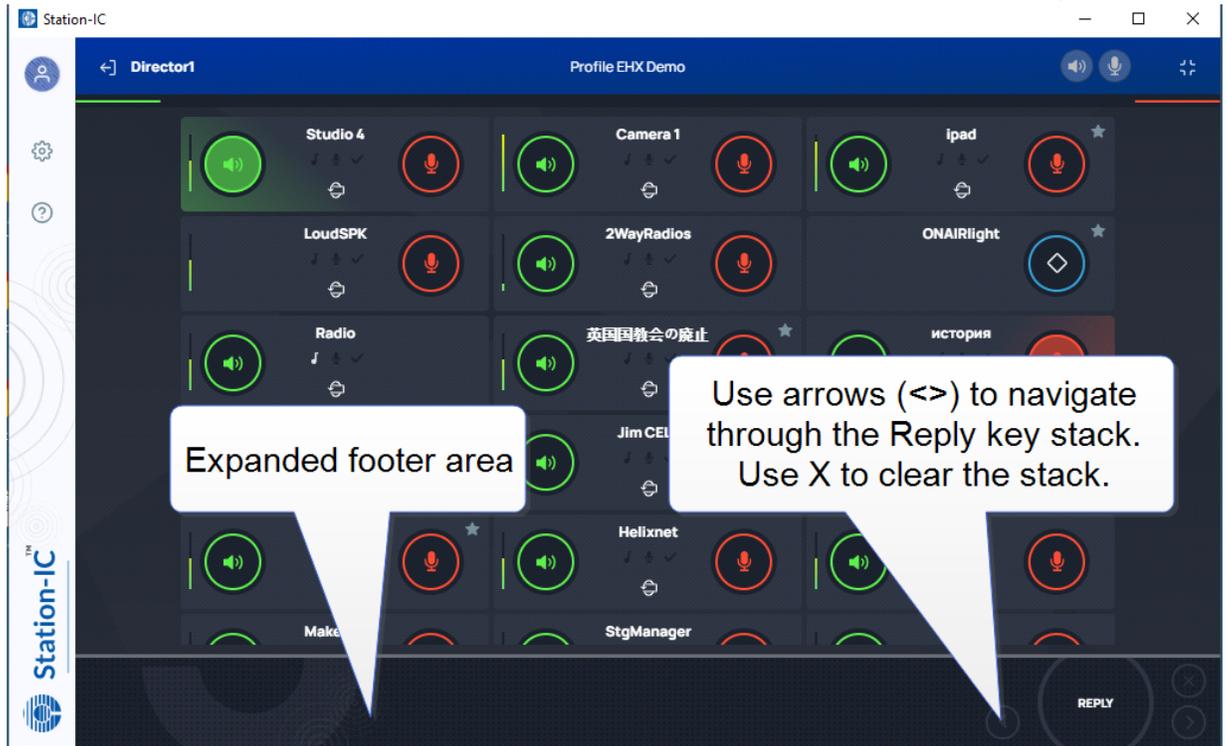
The **Reply** Key is located in the footer area of the **Keysets** screen. To view this area, click as shown below.



The footer area expands to show the **Reply** key.

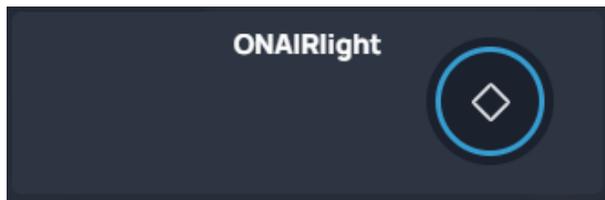
Note: *If you receive a call, the footer area will automatically expand and the **Reply** key will flash and display the name of the caller. When the call ends, the footer area will collapse.*

Use the arrows (<>) to navigate through stacked calls on the Reply key. X clears the top element in the call stack.



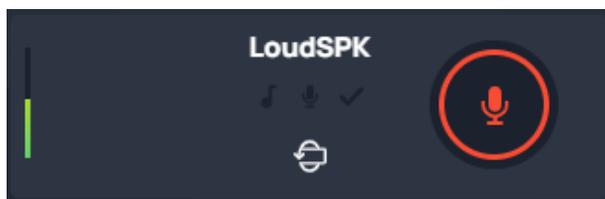
Control Key

Keysets can be configured in the host intercom system to send a control (General Purpose Output) to an external system. This allows you to control an external appliance such as an on-air light, or transmission to two-way radios.



Alternative Key Configuration

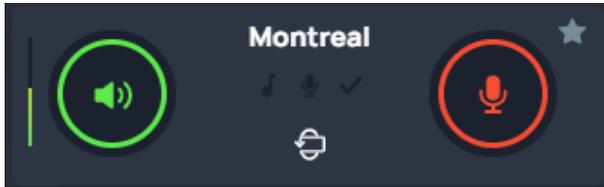
Keysets do not have to be configured in the host intercom software to have two keys. They can have listen, talk, both or none.



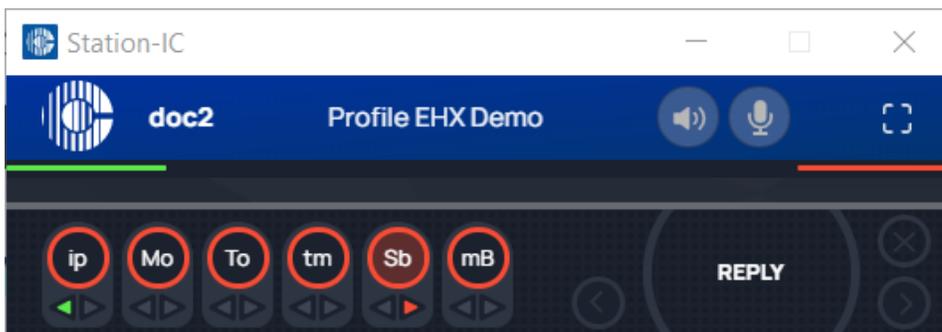
Using Compact Mode

To make any keyset appear in Compact Mode, click the **Favorite** icon at the top-right hand side of the keyset. Click the icon again to remove it from Compact Mode.

Favorite keysets have a Star icon at the top-right hand side of the keyset.



When in compact mode, the name of the key is shortened to two characters.

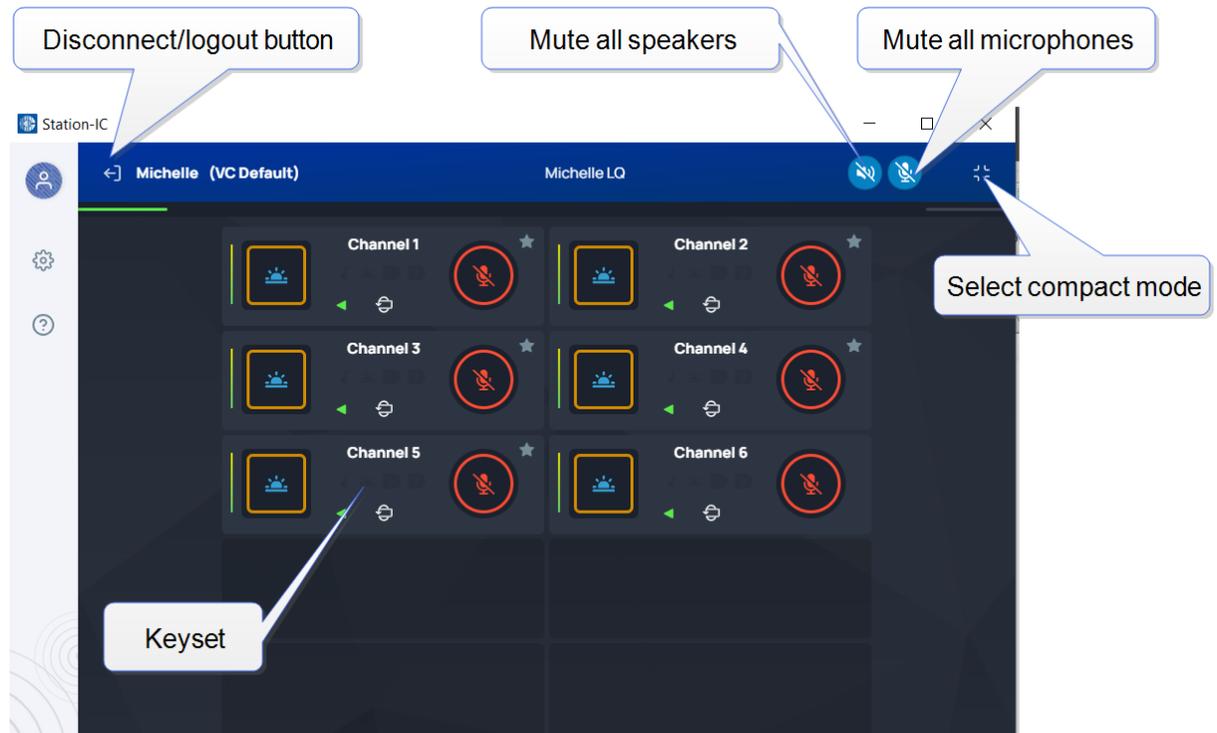


Talk (red indication) and listen (green indication) latched keys are indicated by a triangle, as well as the talk-latch indicators (the red/green bars).

8.2 Using Station-IC with LQ

When you connect to the device specified in your selected profile, the Keysets screen appears. The maximum is 24 Keysets.

8.2.1 The Keysets Screen

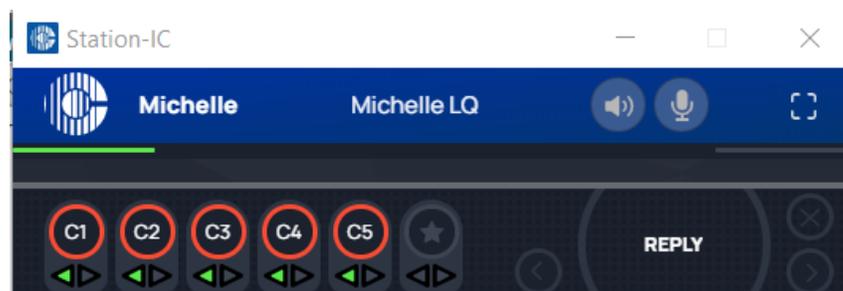


8.2.2 Select Operation Mode

You can use Station-IC in two modes:

Normal Mode - you can resize the screen to any required size. The keysets will responsively adjust to fit the screen size.

Compact Mode - a small screen containing up to six keysets floats on top of the programs on the user's desktop. You can position the compact screen as required. This enables you to use Station-IC while you use your main screen for other applications. This screen appears on top of any other applications that are open.



To select Compact Mode, click the  icon.

To return to Normal mode, click the  icon.

8.2.3 Using Keysets

A keyset is a set of controls associated with an audio assignment that enables you to communicate with a channel (conference line).

Each Keyset can be rotated to reveal more keys and controls. Click  to flip the keyset.

Each keyset has four keys that can be configured as:

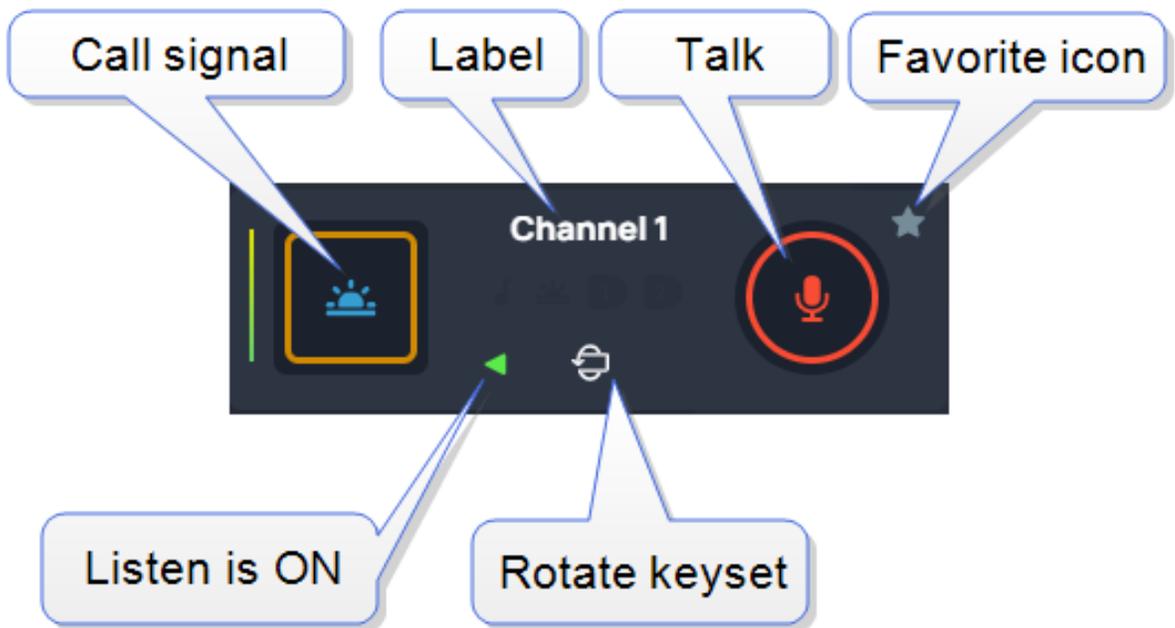
- Call signal
- Event signal (1 or 2)
- Talk key (red)
- Listen key (green)
- Remote mic kill (RMK)

Each key also has:

- A volume indicator
- A label that identifies the keyset

The positioning of controls on Keysets is controlled by the LQ software and can be changed as required.

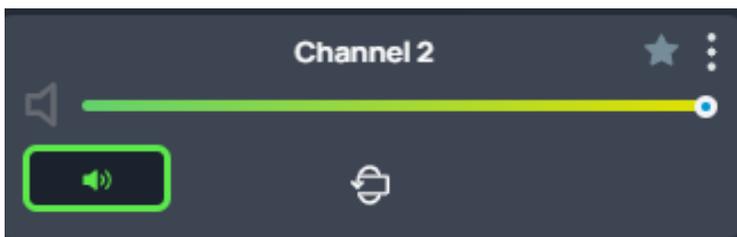
Front View of Keypad (default configuration)



Back View of Keypad



When the Listen key is not activated it has a black background:



Note: When **both** Talk and Listen keys are not activated, Call Signal, Events and RMK are not available.

Note: *These graphics show the default configuration for Keysets. The system administrator may set up an alternative Keyset layout.*

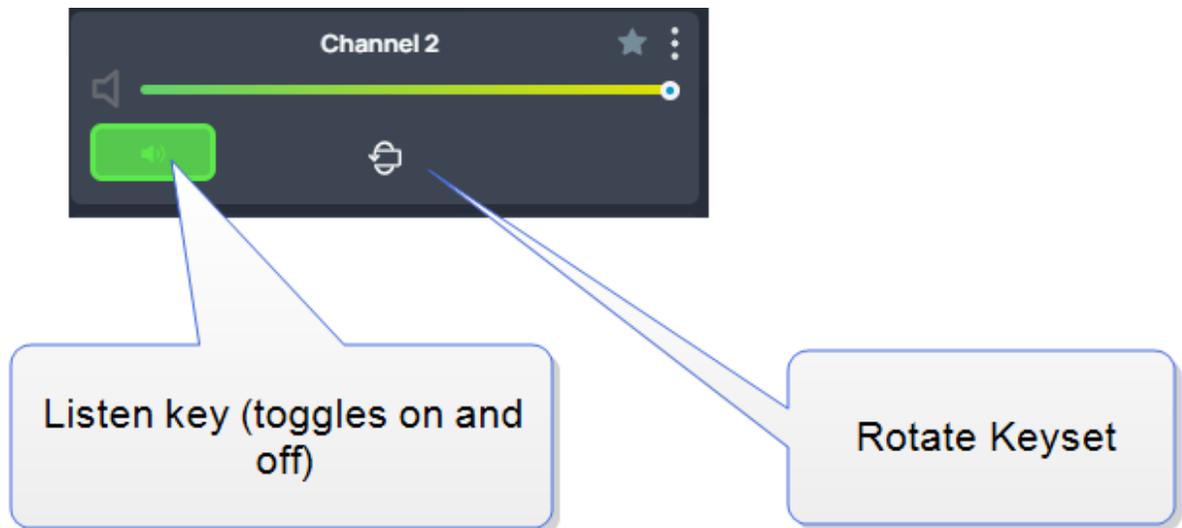
Using Talk and Listen Keys

Select the red Talk  button to talk.

When a Talk key is active, it is highlighted as follows, .

Every time you log into Station-IC for LQ, all the Listen keys are activated. If you don't want to hear a particular key, you must turn it off.

When you log out and back in to Station-IC, all Keysets will return to default configuration (all Listen keys ON).



In the default configuration, the Listen key is latched activated.

Note: *If you select Talk or Listen with a brief mouse click the key will latch. This means that the Talk or Listen function remains active until you click the button again to deselect it.*

Adjusting Volume

To adjust the volume, click , and then use the green slider control to adjust the audio volume.

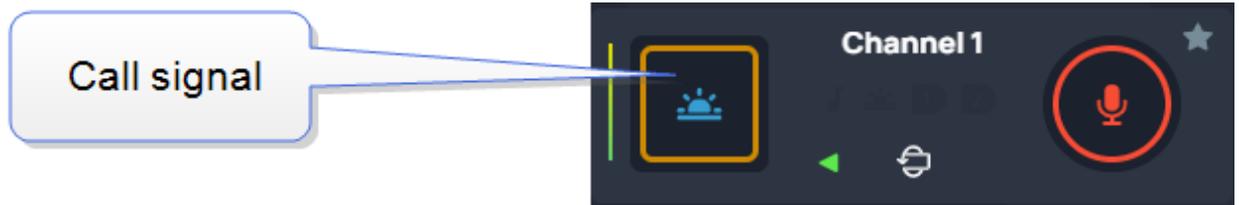
Muting microphones and loudspeakers

To mute all microphone and loudspeakers across all the keysets:

Click on  or  respectively. When all the microphones or all the loudspeakers are muted the icons display with line across them,  

Call Signal

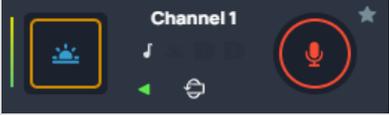
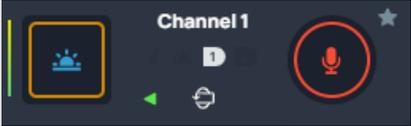
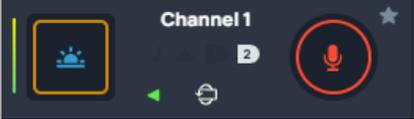
To send a call signal, click the call signal button on the front of the Keyset:



Note:

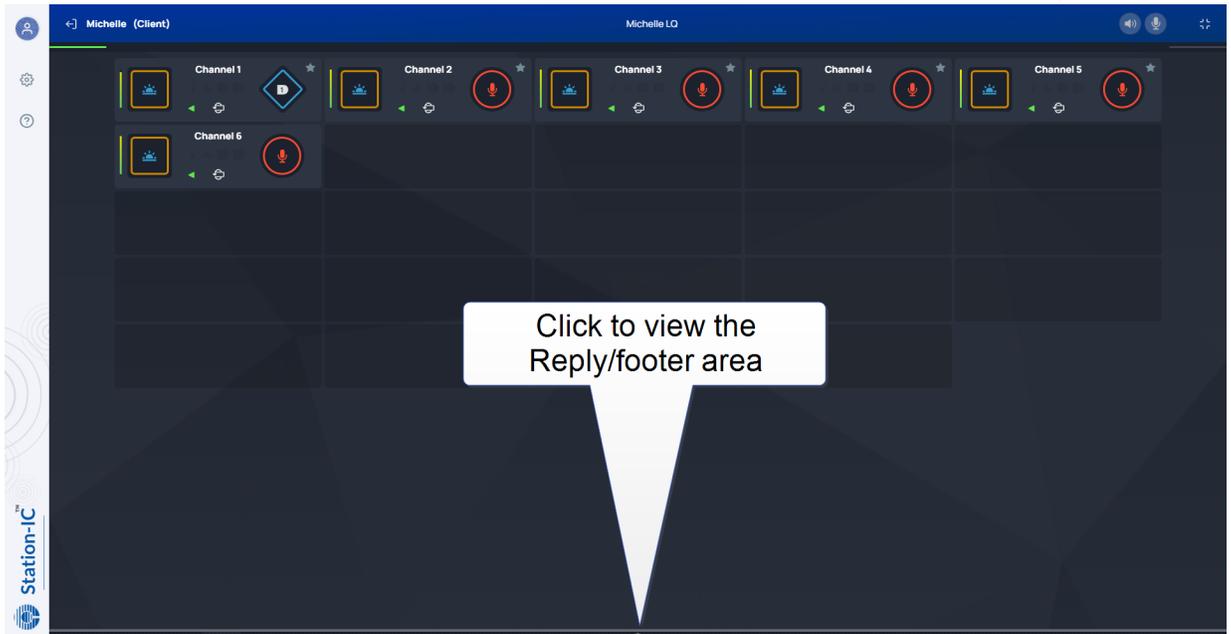
The call signal is not latchable. When you press it, you will see it light briefly. Once pressed, the call signal will remain active in the target channel for 10 seconds.

Tally Icons

Tally Icon	Indication
Quaver 	Audio presence tally
Call signal 	Call signal active
Event 1 	Event 1 is currently active
Event 2 	Event 2 is currently active

Using the Reply key

The **Reply** Key is located in the footer area of the **Keysets** screen. To view this area, click as shown below.

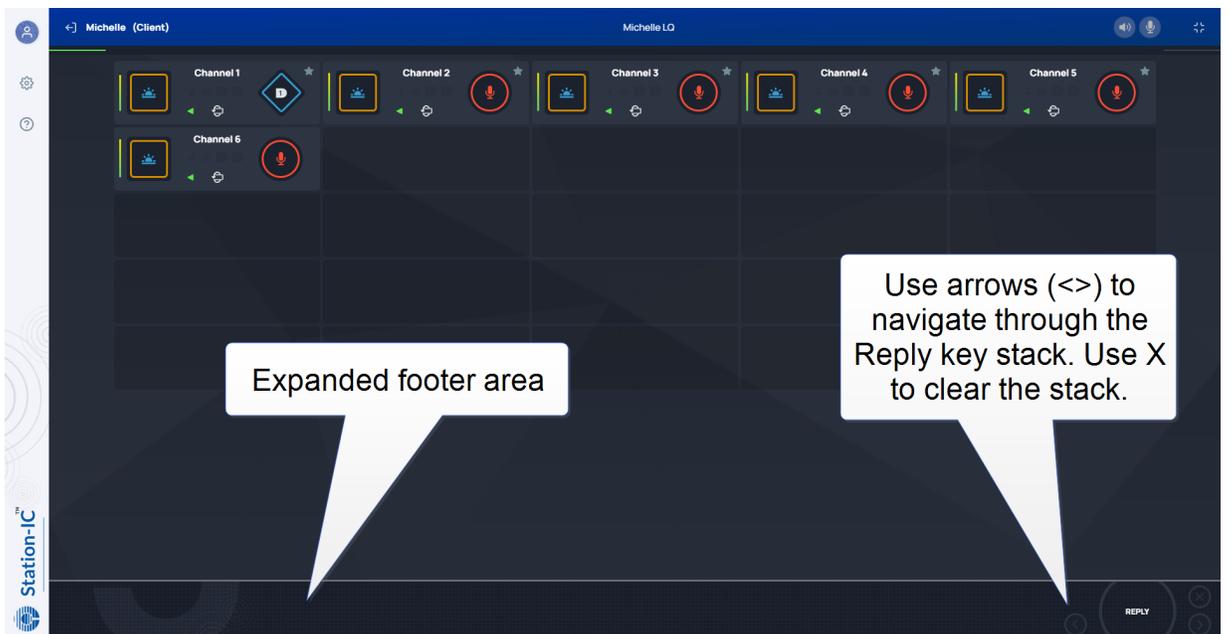


The footer area expands to show the **Reply** key.

Note:

*If you receive a call, the footer area will automatically expand and the **Reply** key will flash and display the name of the caller. When the call ends, the footer area will collapse.*

Use the arrows (<>) to navigate through stacked calls on the Reply key. X clears the top element in the call stack.



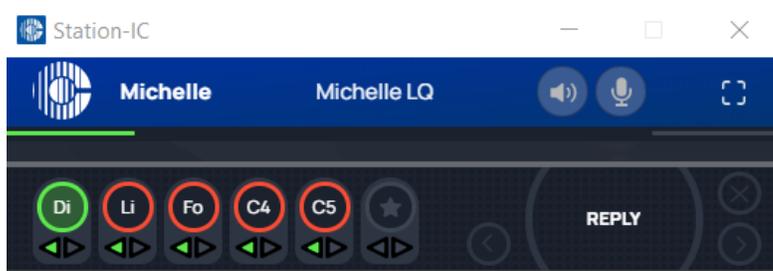
Using Compact Mode

To make any keyset appear in Compact Mode, click the **Favorite** icon at the top-right hand side of the keyset. Click the icon again to remove it from Compact Mode.

Favorite keysets have a Star icon at the top-right hand side of the keyset.

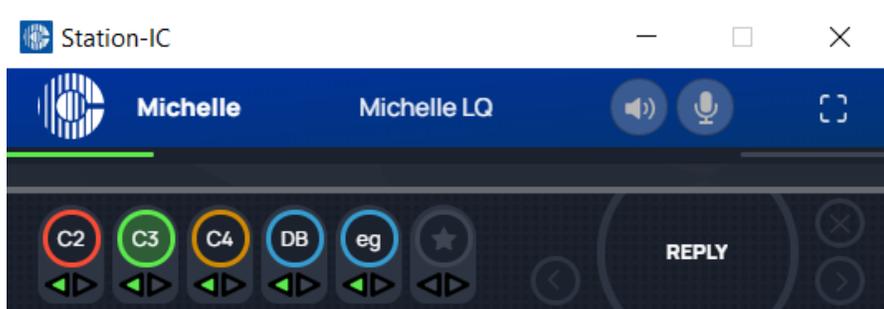


When in compact mode, the name of the key is shortened to two characters.



Talk (red indication) and listen (green indication) latched keys are indicated by a triangle, as well as the talk-latch indicators (the red/green bars).

When in compact mode, the keys are determined according to the first key found on the keyset in the following order: Talk, Listen, Call, Event 1, Event 2, RMK.



In the above example,

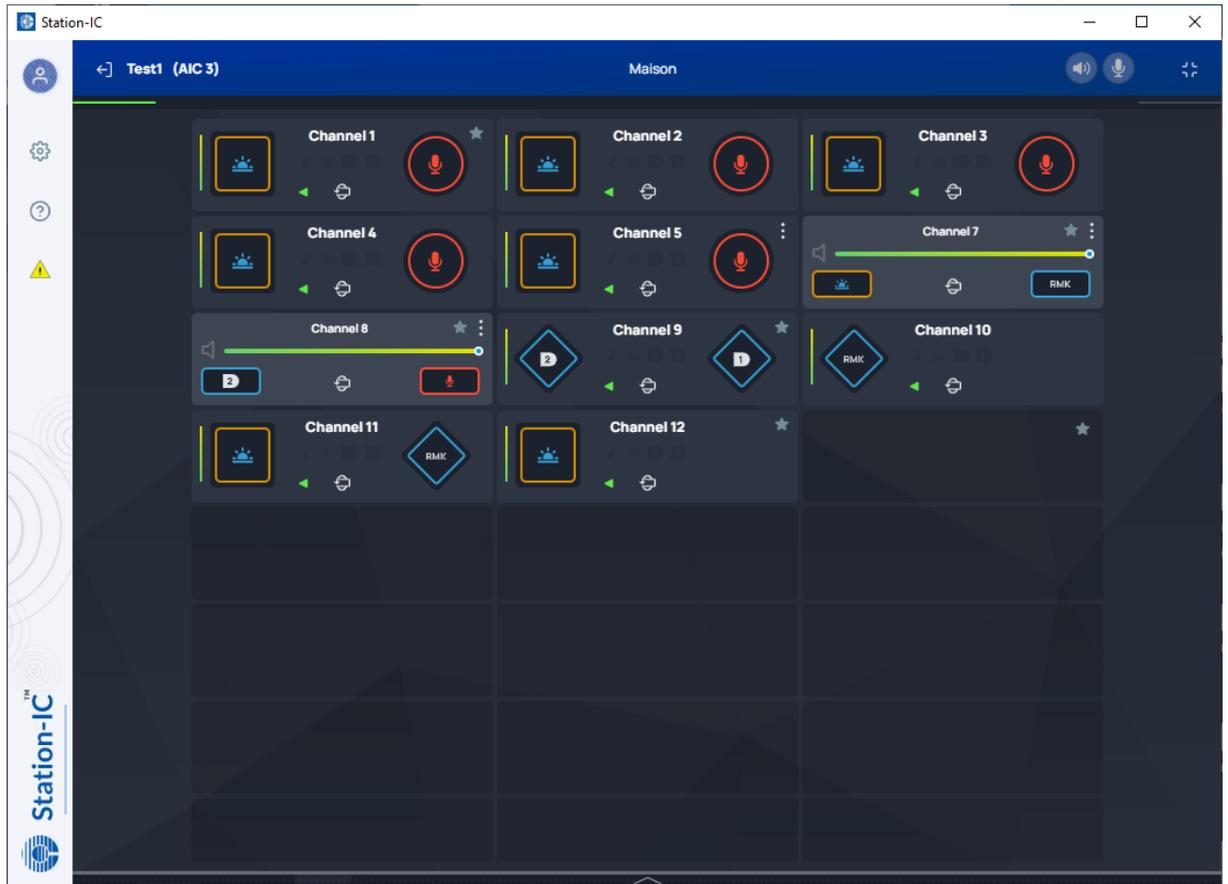
- C2 is a talk key
- C3 is a listen only key
- C4 is a call key
- DB and eg are Event and RMK keys respectively.

Note: *Key configuration is determined in the host intercom software.*

8.2.4 Alternative Key Configuration

Station-IC keysets are configurable in the LQ CCM interface.

Example configuration:

**Note:**

Call Signal and Event keys are not latchable. You will see them light briefly in Station-IC. Call signals and events will persist for 10 seconds in the target endpoint. If you want the signal or event to last longer than 10 seconds, you must press the key again.

9 Troubleshooting

Ways to resolve any problems that may arise with Station-IC.

9.1 Connecting to the Matrix

In Settings/Connections , check:

- Username
- Password (passwords are case sensitive)
- DNS Name or IP Address of the host intercom system
- Host intercom system network TCP/UDP port (default 6001)

9.2 Network Issues

If your network connection to the host intercom system fails:

- Check if you can ping the host intercom system
- If you can ping the host intercom system but cannot connect, the problem may be that the port that Station-IC uses on your local network is blocked. Check with your network administrator.
- If the problem is not with the network, it may be that your network connection is not providing enough bandwidth to support Station-IC.

9.3 Configuration Issues

Are you connecting to your own host intercom system? If you are connecting to your own Eclipse matrix or LQ unit, and the issue is not with your local firewall (the port is closed) then check the following details with your system administrator:

- Hardware: is an IVC-32-HX or an E-IPA-HX card installed and configured on the matrix?
- Software: is the matrix running on Eclipse EHX 12.1 or above? Is the LQ unit (all the units if you are connecting to a Link-Group) running LQ 4.2 or above?
- Eclipse configuration: is the Station-IC client correctly configured in this system?
- Check that the firewalls are configured to allow Station-IC to access. This includes the firewalls set on your PC and those set on the host intercom system.

- LQ only: Role allocation; is another Role user still logged in to your Station-IC client? LQ (not EHX) is Role based. A Role may have many users, but only one user can log in to the Station-IC client at one time.

9.4 Poor Audio

This is caused by unreliable IP infrastructure. Query your IP provider and make sure that your network resources are suitably configured.

9.4.1 Audio Delay

This fault is due to the inherent delay between the matrix and Station-IC. But certain devices may make this worse if they do not support low latency. Check your device capabilities under Settings.

9.4.2 Unwanted Echo

Some devices do not support acoustic echo cancellation (AEC) when in speaker mode. If one party has a device that does not support AEC, make sure that he uses a headset. Ask the other party to check his device capabilities under Settings.

9.5 Any Other Issues

Please consult the Clear-Com solution finder: [Clear-Com Solution Finder](#).