

Chroma-Q Fixture Manager Software

The Chroma-Q Fixture Manager application is designed to upload firmware to Chroma-Q Ethernet-enabled fixtures, such as the 2inspire PoE as well as modifying settings such as DMX address, IP Address, RDM parameters.

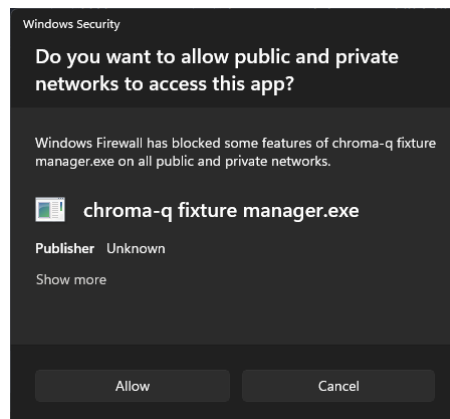
Using the Chroma-Q Fixture Manager software

The Chroma-Q Fixture Manager can be downloaded from <https://chroma-q.com>

It is Windows-based software. After installing the application, launch it. If a message asks for network access, it's important to grant both Private and Public network access if prompted. If the software fails to discover devices, temporarily disable or adjust any third-party firewall or antivirus software that could block traffic on the fixture's default ports.

Software setup

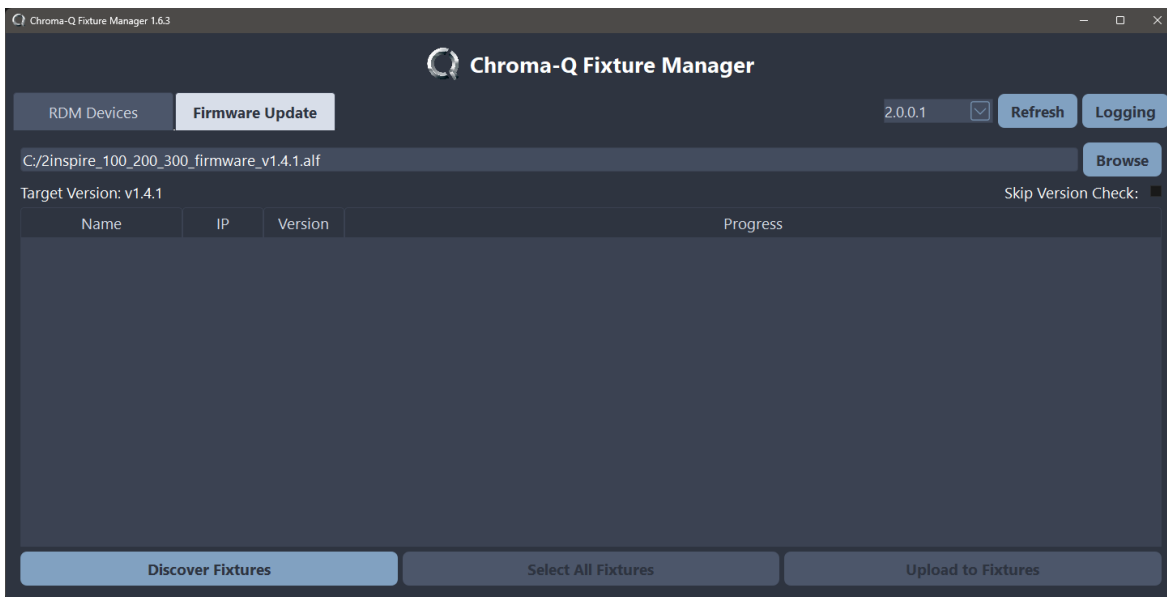
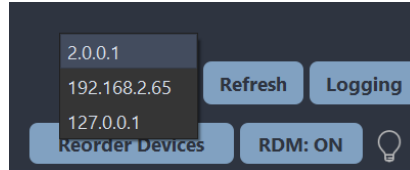
- Unzip and install it on a Windows 10/11 PC.
- Connect as many fixtures as your network allows.
- Ensure **no other** devices are transmitting on the network, such as lighting consoles or software like DMXWorkshop or Luminex monitoring software.
- The PC used must have one Ethernet port with the same IP/Subnet range as the fixture(s), default is 2.x.x.x/255.0.0.0
- Launch the Chroma-Q Fixture Manager software.
- If a warning regarding the app's need for network access appears, it is important to click "Allow." Otherwise, the app will not be able to communicate with the fixtures.



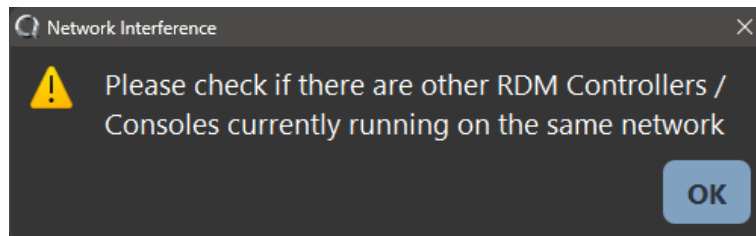
Firmware Update

The first tab of the application is the Firmware Update.

- Select the appropriate NIC for transmission (the default range for fixtures is 2.x.x.x). If there are no NIC adapter in the same IP range as the fixture, use the Windows Network setting to make the appropriate changes. Click **Refresh** and select the newly set NIC.



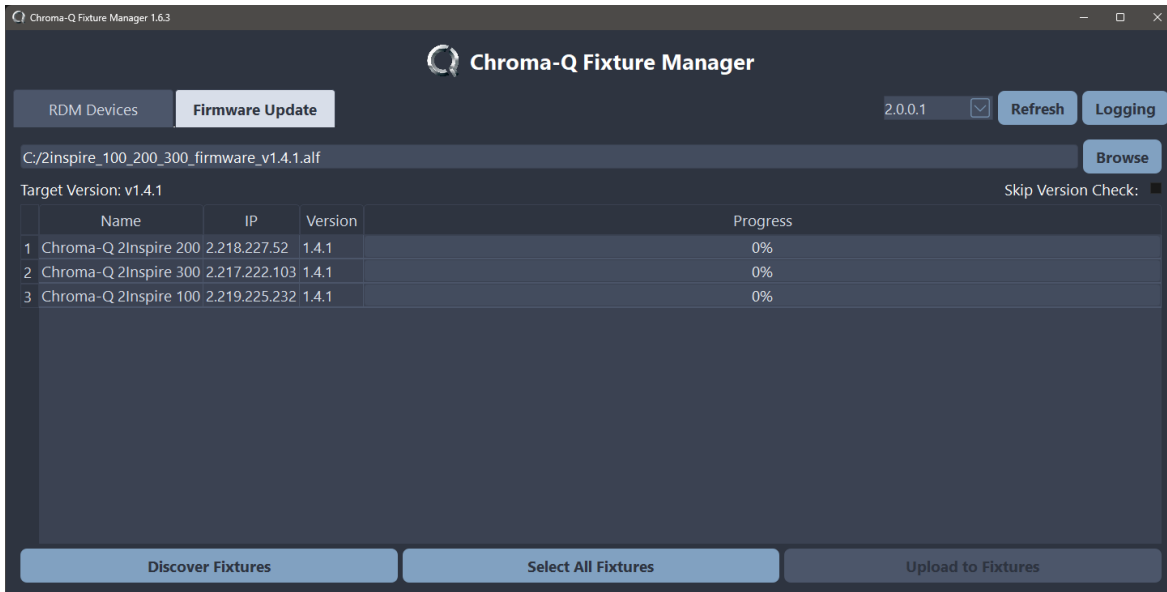
- If this screen appears while using the app, it means that either the connected network has no visible fixtures or a controller or other software is transmitting on the same network.



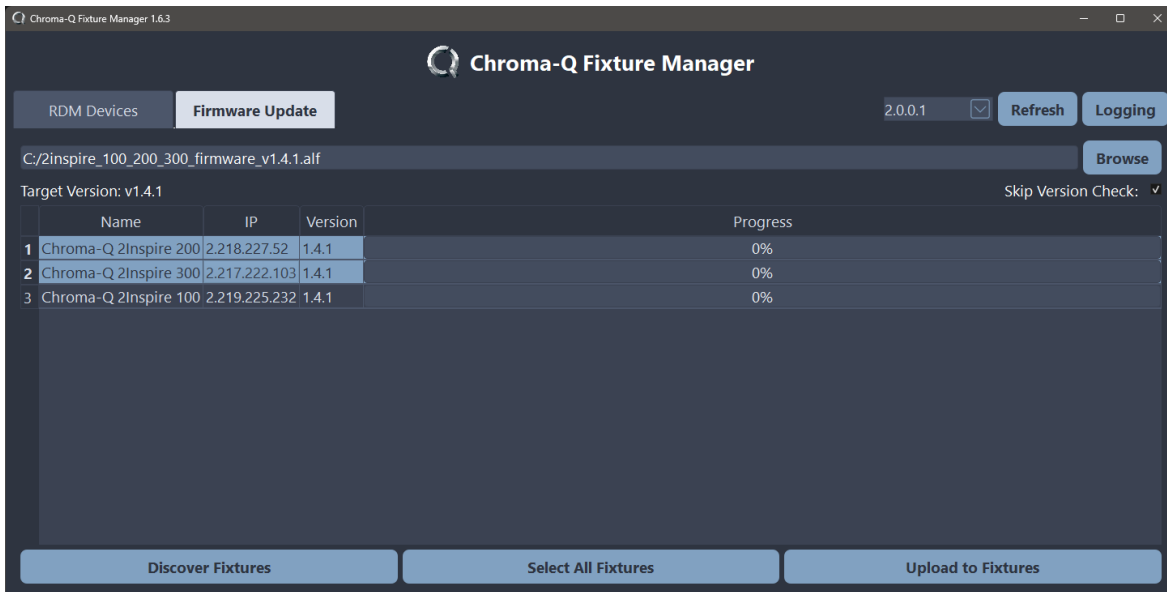
Avoid data collisions, no other software, lighting console, or RDM transmitter should be broadcasting or polling the fixtures during the firmware update or RDM discovery.

- The firmware update comes in a file with an extension ".alf", it can be downloaded from the Chroma-Q website.

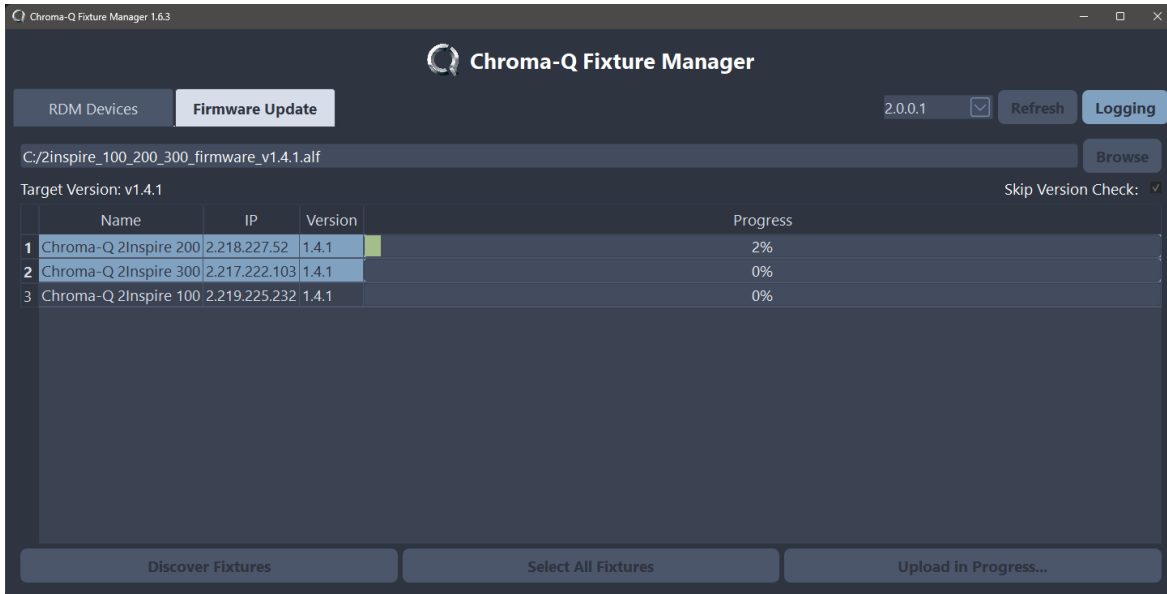
- Browse and select the .alf file
- click on **Discover Fixtures** and it will list all detected fixtures



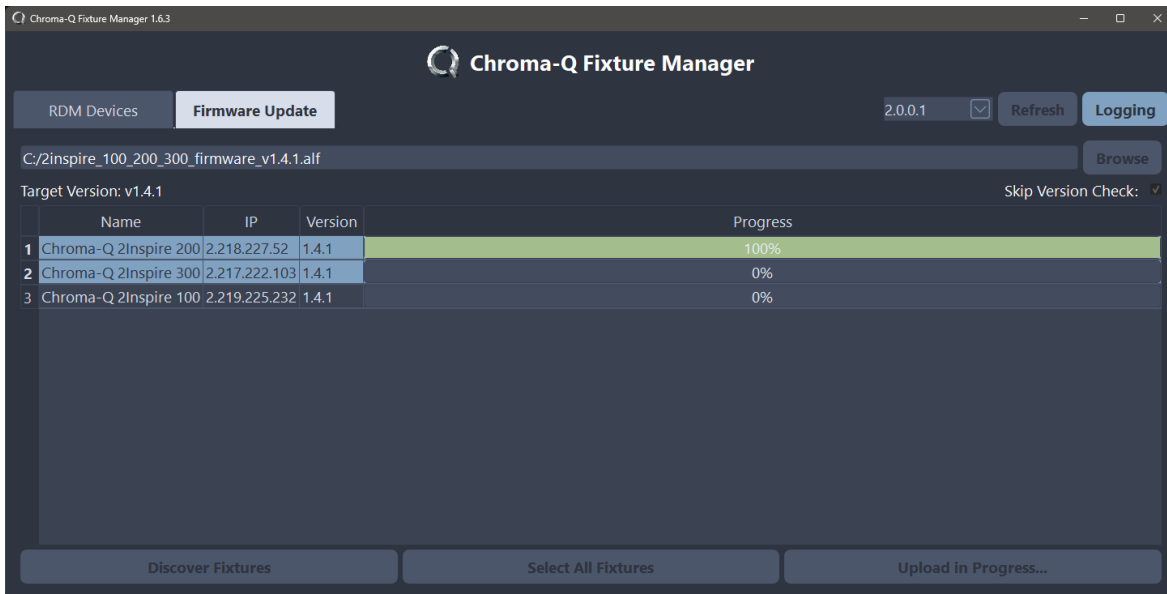
- Once the fixtures discovered, click on the Select All Fixtures or select the specific fixtures to be updated



- Then, click on **Upload to Fixture** and wait for the progress of all fixtures to be finished



- Fixtures will be sequentially updated.
- Fixtures will blink blue while receiving packets and turn green once the update is completed correctly.

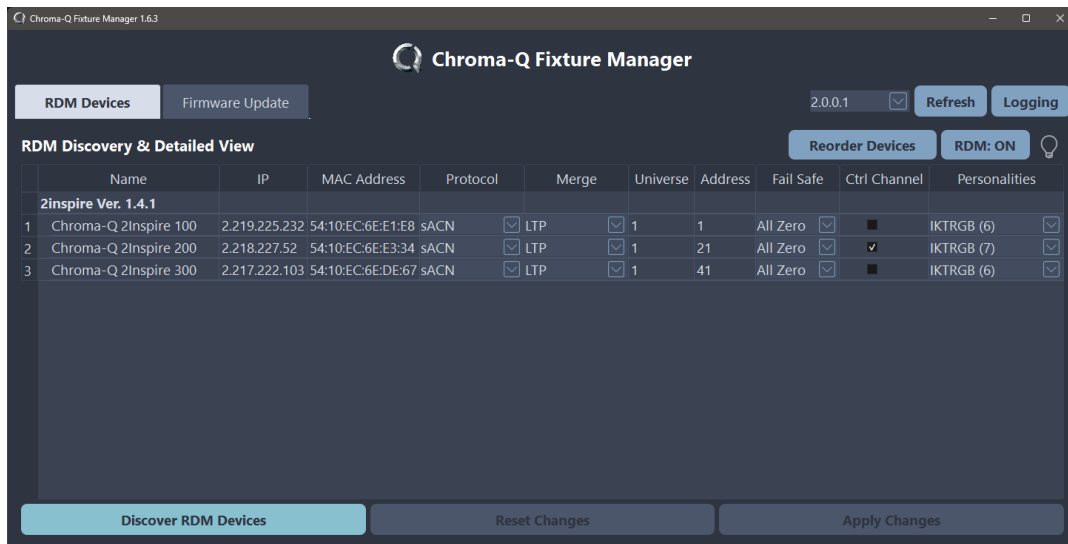
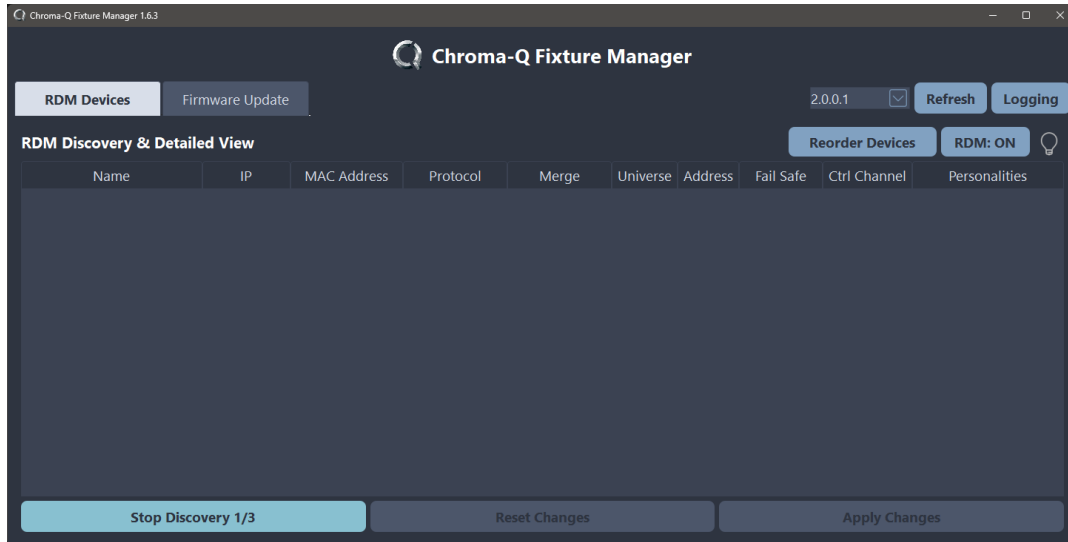


- If **Skip Version Check** is enabled, fixtures with the same firmware as the selected firmware files will also be updated again.
- If some fixtures fail to update, they should reboot, and a new update can be sent again.

RDM functions

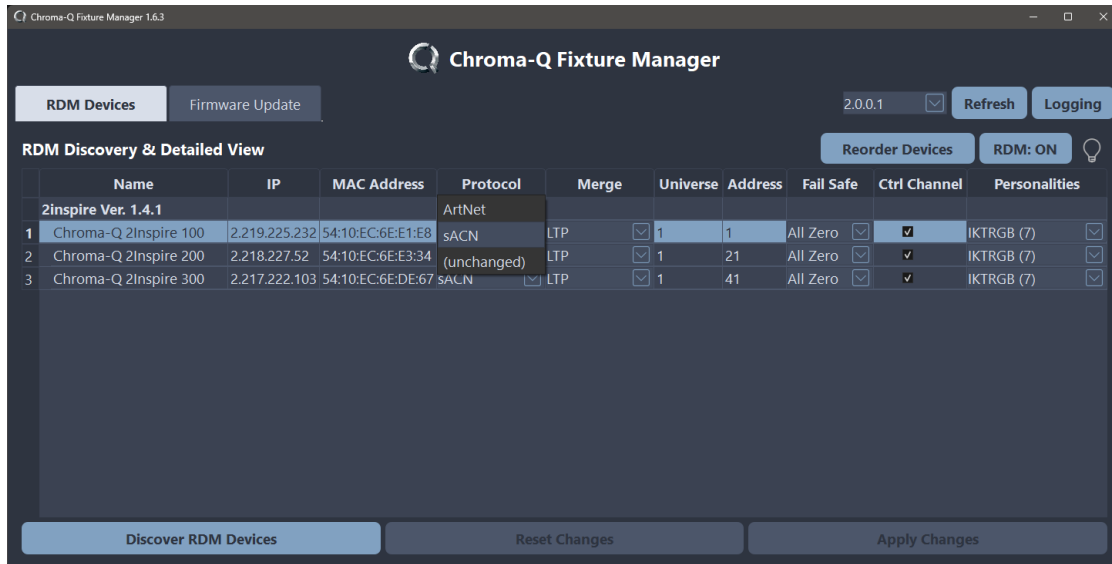
RDM is an industry standard communication protocol allowing fixtures to be set remotely.

- Click on the **RDM Devices** to access the RDM function tab.
- Click on **Discover RDM Devices**, all RDM compatible fixtures on the network should be shown.



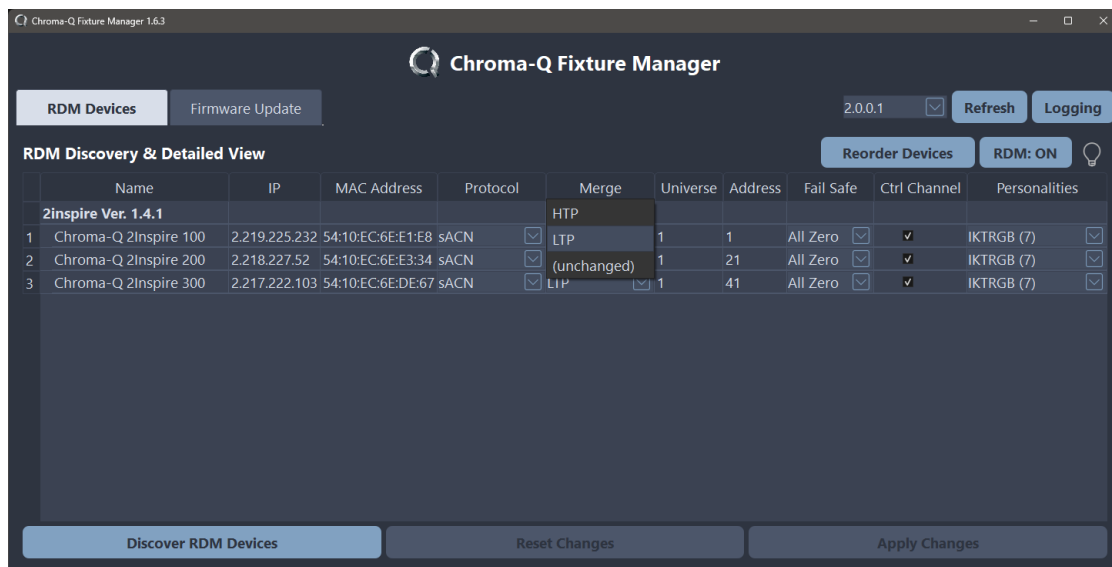
Set Protocol

- Select the communication protocol, ArtNet or sACN.
- Click on **Apply Changes** to send the new settings to the fixture.



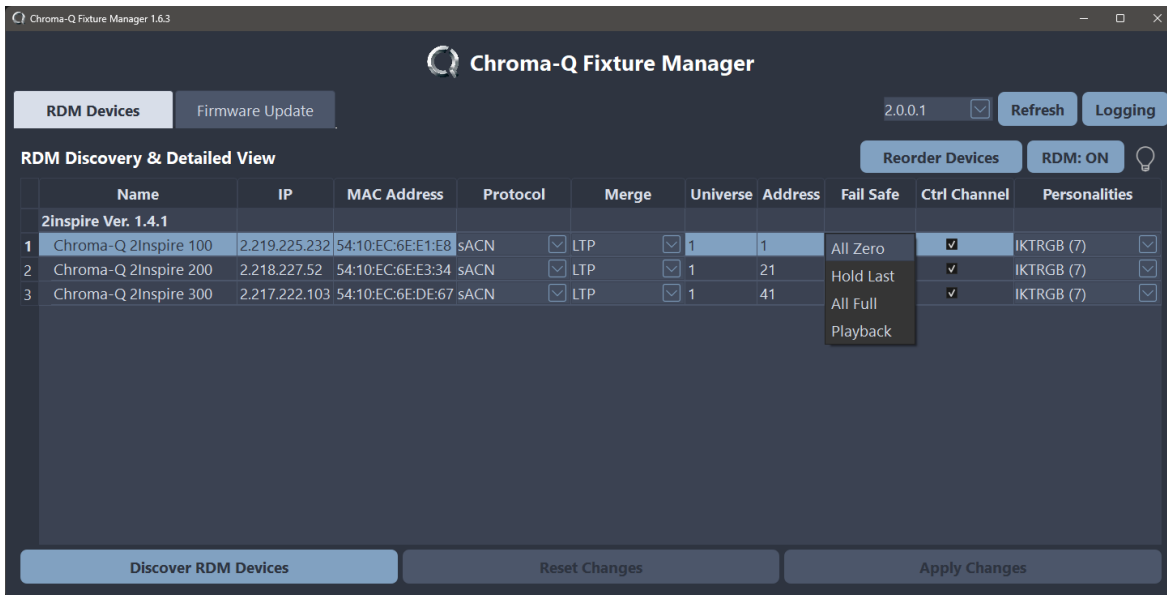
Set LTP/HTP

- Select the fixture behavior when two incoming signal are received by the fixture
- HTP (Highest Takes Precedence) or LTP (Latest Takes Precedence)
- Click on **Apply Changes** to send the new settings to the fixture.



Set Fail Safe

- Select the fixture behavior when there is no incoming data
- All Zero, will turn the intensity to zero
- Hold Last will remember that last incoming data and maintain this output intensity and color
- All Full will turn the intensity to full in white
- Playback will playback a stored scene, if there's one present
- Click on **Apply Changes** to send the new settings to the fixture.



Chroma-Q Fixture Manager 1.6.3

Chroma-Q Fixture Manager

RDM Devices Firmware Update 2.0.0.1 Refresh Logging

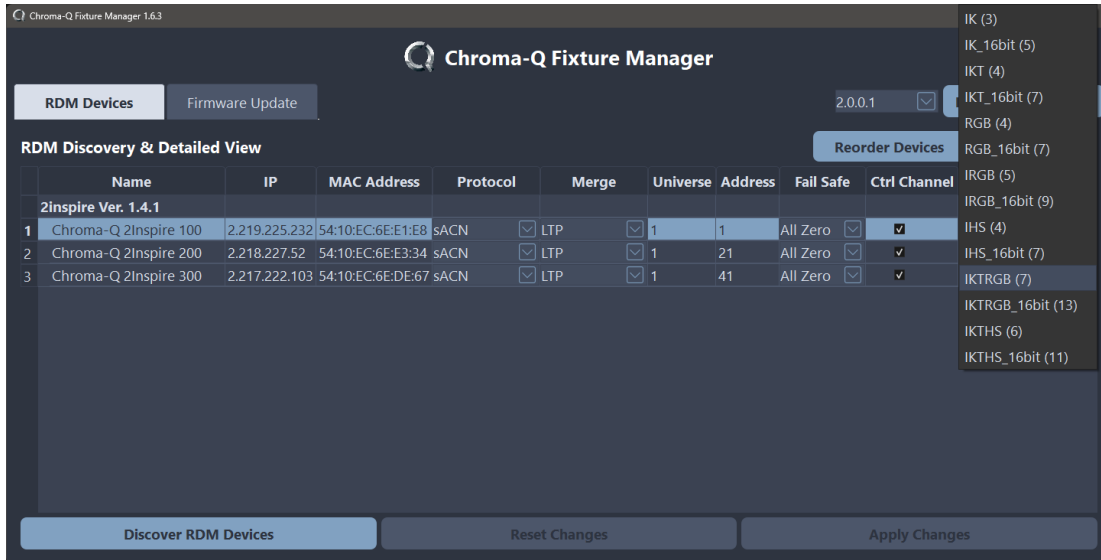
RDM Discovery & Detailed View Reorder Devices RDM: ON

	Name	IP	MAC Address	Protocol	Merge	Universe	Address	Fail Safe	Ctrl Channel	Personalities
2inspire Ver. 1.4.1										
1	Chroma-Q 2Inspire 100	2.219.225.232	54:10:EC:6E:E1:E8	sACN	<input checked="" type="checkbox"/> LTP	<input checked="" type="checkbox"/> 1	1	All Zero	<input checked="" type="checkbox"/>	IKTRGB (7) <input checked="" type="checkbox"/>
2	Chroma-Q 2Inspire 200	2.218.227.52	54:10:EC:6E:E3:34	sACN	<input checked="" type="checkbox"/> LTP	<input checked="" type="checkbox"/> 1	21	Hold Last	<input checked="" type="checkbox"/>	IKTRGB (7) <input checked="" type="checkbox"/>
3	Chroma-Q 2Inspire 300	2.217.222.103	54:10:EC:6E:DE:67	sACN	<input checked="" type="checkbox"/> LTP	<input checked="" type="checkbox"/> 1	41	All Full	<input checked="" type="checkbox"/>	IKTRGB (7) <input checked="" type="checkbox"/>
								Playback		

Discover RDM Devices Reset Changes Apply Changes

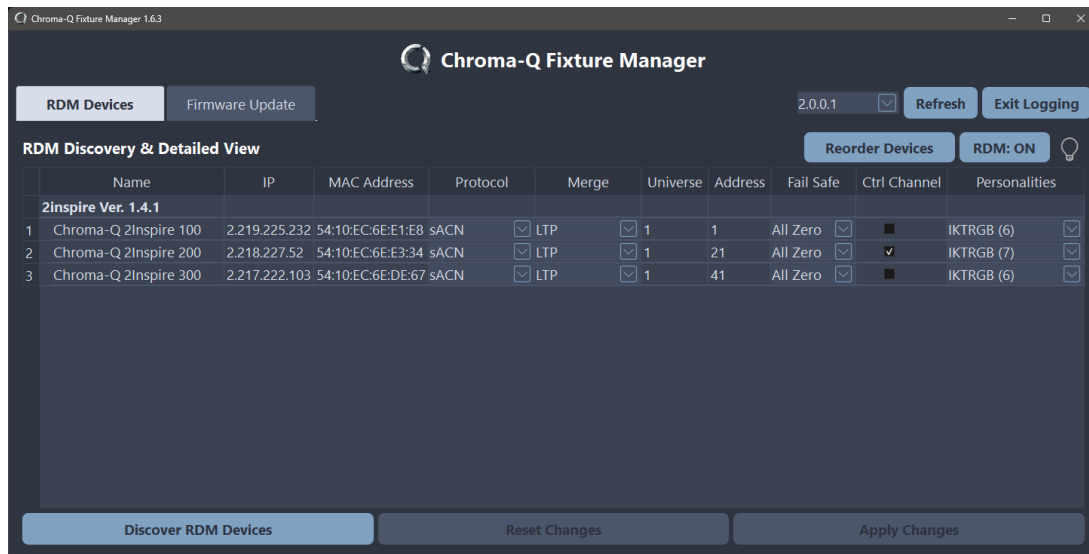
Set Personality

- Select the fixture control personality from the drop list
- See [personality selection choices](#)
- Click on **Apply Changes** to send the new settings to the fixture.



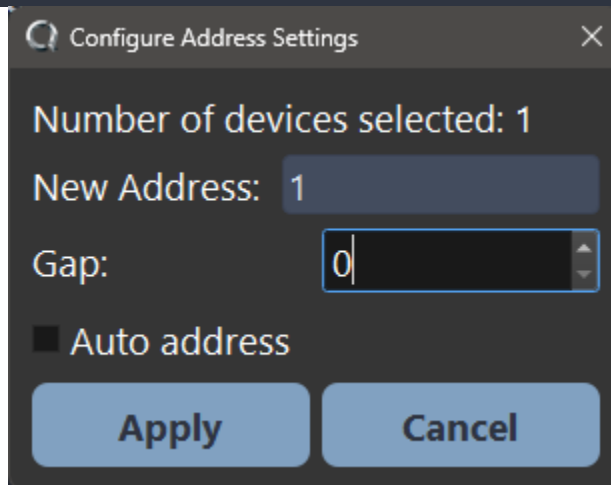
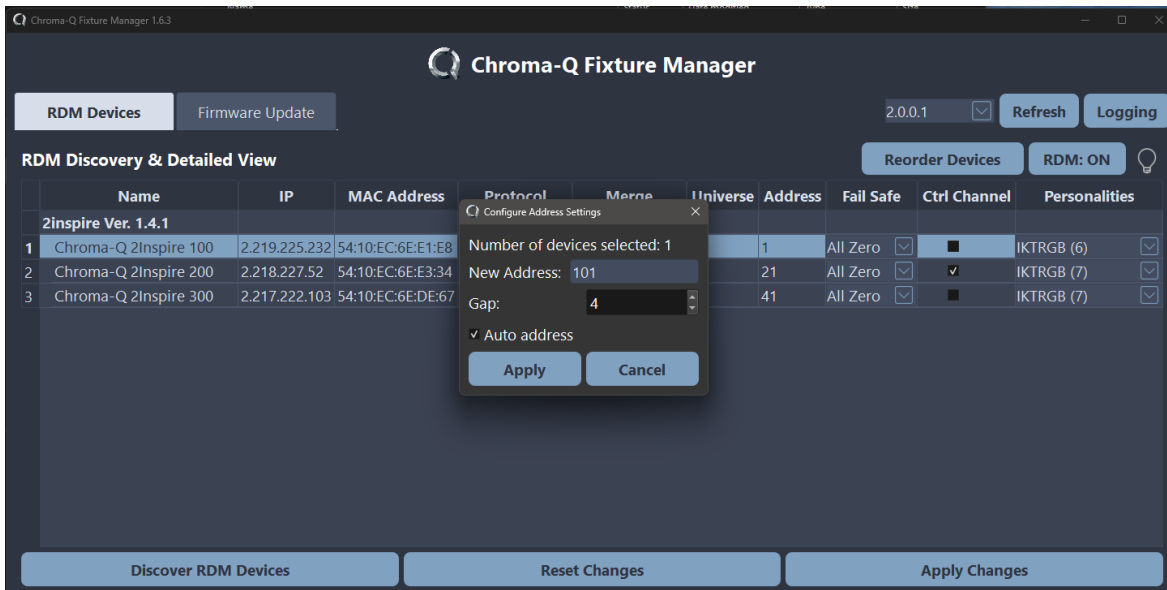
Set Control Channel

- When the box is checked, an extra channel is added at the end of the personality.
- See [Control Channel](#) for its functionalities



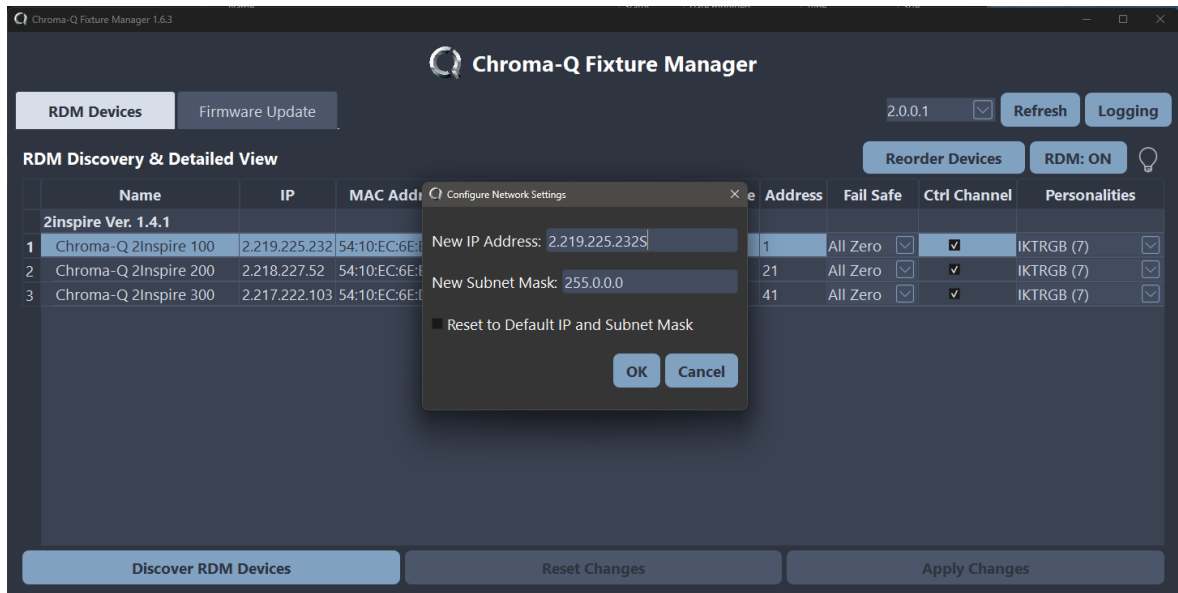
Set DMX Address

- Select the fixture(s) to be re-addressed
- Double Click on the address field
- Enter the new start address and enter a desired gap if needed. (Example the fixture takes 6 channels, but 4 additional channels are left between each fixtures) so the overall footprint will be 10 channel
- Click on **Apply Changes** to send the new settings to the fixture.



Set IP Address

- Click on the IP address field
- Enter the IP desired Address and Subnet Mask or Click Reset to Default IP
- Click on **Apply Changes** to send the new settings to the device.
- Only a single device can be changed at once.




Changing IP Address and Subnet Mask

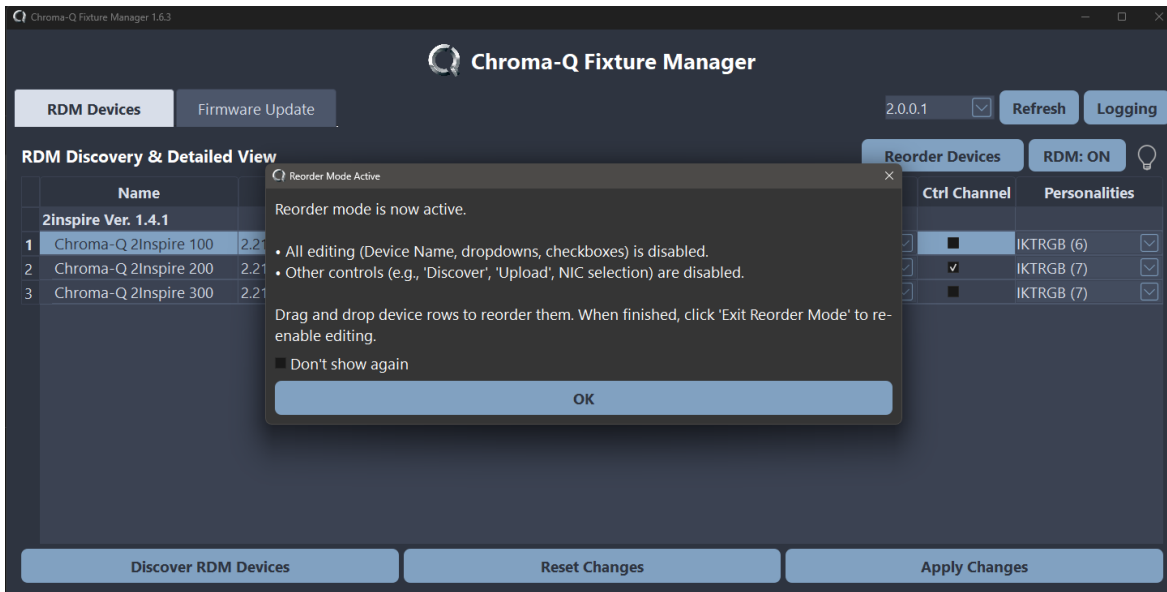
The 2Inspire fixtures come pre-configured with an IP address in the 2.x.x.x range and a subnet of 255.0.0.0. Each 2Inspire unit is assigned a unique IP address from the factory, eliminating the need to change IP addresses as long as the 2.x.x.x range is suitable for the user's network configuration. This standard setup simplifies initial deployment and helps prevent address conflicts, making it easier to integrate the fixtures into a compatible network without additional configuration.



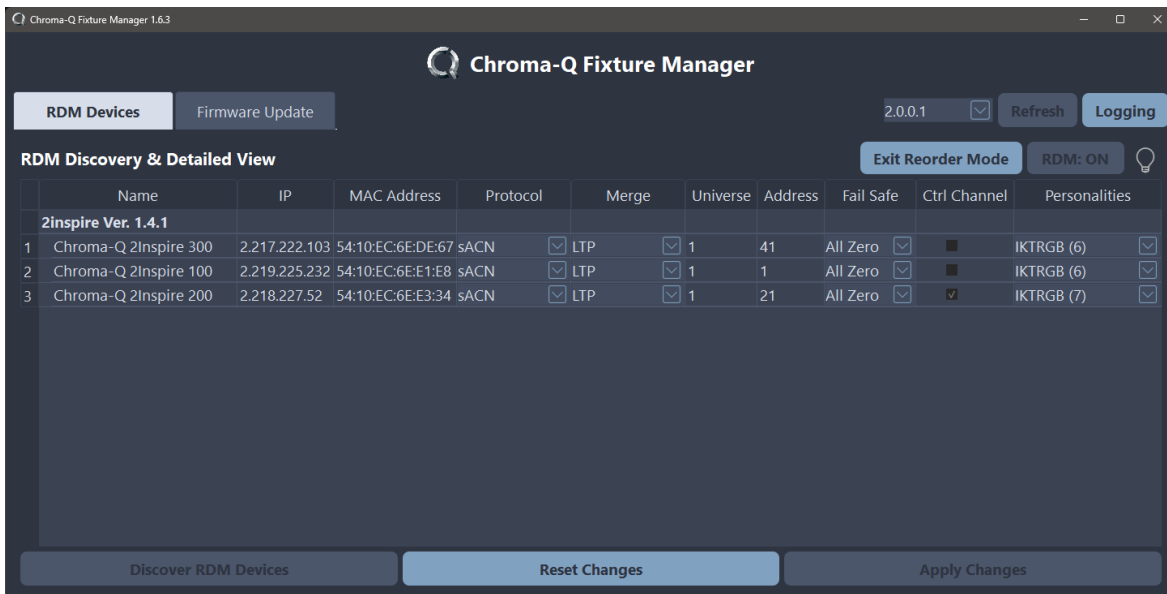
Changing the IP address and subnet of a fixture is possible but requires careful planning and execution. If the IP address or subnet is changed and the user forgets the new configuration, the fixture must be reset to its factory default settings. This reset process necessitates physical access to the fixture, which is an important factor to consider, especially if the fixtures are installed in hard-to-reach places, such as ceilings. Proper planning and documentation of network settings are essential to avoid unexpected difficulties with access and configuration. (See Reset / Test Switch)

Re-Order Mode

- Before using the Auto-Address mode, it is possible to re-order the fixture in a desired order.
-  With the fixture Identification feature enabled, it is easy to visualize which fixture is which. Selected fixture(s) will momentarily blink.
- Click on Reorder Devices to enter into this mode.



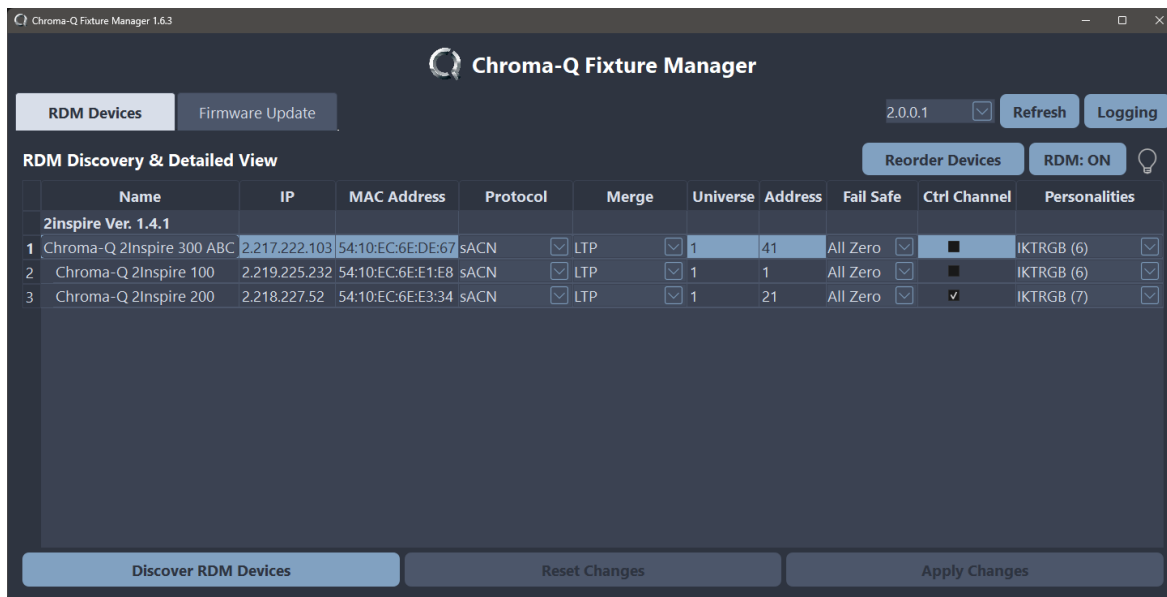
- While in Reorder Devices mode, fixtures can be dragged and dropped to be reordered.



- Click on Exit Reorder Mode to resume normal operation

Fixture renaming

- With a double click on the fixture name cell, it is possible to rename the fixture as desired
- Name should not exceed 64 characters
- Multiple fixtures can be renamed at once



Logging

- When logging is enabled, the app will restart and record everything happening during use.
- Upon exiting, the log information will open in the default text editor.

Use this feature only when necessary, such as troubleshooting communication issues with devices.