

Chroma-Q[®]

The Force

User Manual



Part Numbers: CQ1527-1000

Model: 1527-1000

Software Version: V1.0

Manual: 1527-0702 V1.0



Warranty Statement

CHROMA-Q® WARRANTS TO THE ORIGINAL PURCHASER, WITH PROOF OF PURCHASE, THAT ITS DELIVERED PRODUCTS SHALL BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP UNDER NORMAL USE FOR A PERIOD OF 24 MONTHS FROM DATE OF SHIPMENT.

CHROMA-Q® WILL REPAIR, OR AT ITS OPTION, PROVIDE AN EQUIVALENT ITEM OR REPLACE, THE DEFECTIVE PRODUCT DURING THE STATED WARRANTY PERIOD. THIS WARRANTY APPLIES ONLY TO THE REPAIR OR REPLACEMENT OF THE PRODUCT AND ONLY WHEN THE PRODUCT IS PROPERLY HANDLED, INSTALLED AND MAINTAINED ACCORDING TO CHROMA-Q® INSTRUCTIONS. THIS WARRANTY EXCLUDES DEFECTS RESULTING FROM IMPROPER HANDLING, STORAGE, INSTALLATION, ACTS OF GOD, FIRE, VANDALISM OR CIVIL DISTURBANCES. PURCHASER MUST NOTIFY CHROMA-Q® IN WRITING WITHIN 14 DAYS OF NOTICING THE DEFECT. THIS WARRANTY EXCLUDES FIELD LABOR OR SERVICE CHARGES RELATED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT.

THE WARRANTY CONTAINED HEREIN SHALL NOT EXTEND TO ANY FINISHED GOODS OR SPARE PARTS FROM WHICH ANY SERIAL NUMBER HAS BEEN REMOVED OR WHICH HAVE BEEN DAMAGED OR RENDERED DEFECTIVE (A) AS A RESULT OF NORMAL WEAR AND TEAR, WILLFUL OR ACCIDENTAL DAMAGE, NEGLIGENCE, MISUSE OR ABUSE; (B) DUE TO WATER OR MOISTURE, LIGHTNING, WINDSTORM, ABNORMAL VOLTAGE, HARMONIC DISTORTION, DUST, DIRT, CORROSION OR OTHER EXTERNAL CAUSES; (C) BY OPERATION OUTSIDE THE SPECIFICATIONS CONTAINED IN THE USER DOCUMENTATION; (D) BY THE USE OF SPARE PARTS NOT MANUFACTURED OR SOLD BY CHROMA-Q® OR BY THE CONNECTION OR INTEGRATION OF OTHER EQUIPMENT OR SOFTWARE NOT APPROVED BY CHROMA-Q® UNLESS THE CUSTOMER PROVIDES ACCEPTABLE PROOF TO CHROMA-Q® THAT THE DEFECT OR DAMAGE WAS NOT CAUSED BY THE ABOVE; (E) BY MODIFICATION, REPAIR OR SERVICE BY ANYONE OTHER THAN CHROMA-Q®, WHO HAS NOT APPLIED FOR AND BEEN APPROVED BY CHROMA-Q® TO DO SUCH MODIFICATION, REPAIR OR SERVICE UNLESS THE CUSTOMER PROVIDES ACCEPTABLE PROOF TO CHROMA-Q® THAT THE DEFECT OR DAMAGE WAS NOT CAUSED BY THE ABOVE; (F) DUE TO PROCEDURES, DEVIATING FROM PROCEDURES SPECIFIED BY CHROMA-Q® OR (G) DUE TO FAILURE TO STORE, INSTALL, TEST, COMMISSION, MAINTAIN, OPERATE OR USE FINISHED GOODS AND SPARE PARTS IN A SAFE AND REASONABLE MANNER AND IN ACCORDANCE WITH CHROMA-Q'S INSTRUCTIONS (H) BY REPAIR OR REPLACEMENT OF ENGINES WITHOUT FACTORY TRAINING.

THE WARRANTY CONTAINED HEREIN SHALL NOT APPLY TO FINISHED GOODS OR SPARE PARTS WHICH ARE SOLD "AS IS", AS "SECOND-HAND", AS USED", AS "DEMO" OR UNDER SIMILAR QUALIFICATIONS OR TO CONSUMABLES ("CONSUMABLES" IS DEFINED AS ANY PART(S) OF GOODS OR PART(S) FOR USE WITH GOODS, WHICH PART(S) OF GOODS OR PART(S) FOR USE WITH GOODS ARE CONSUMED DURING THE OPERATION OF THE GOODS AND WHICH PART(S) OF GOODS OR PART(S) FOR USE WITH GOODS REQUIRE REPLACEMENT FROM TIME TO TIME BY A USER SUCH AS, BUT NOT LIMITED TO, LIGHT BULBS).

THE WARRANTY CONTAINED HEREIN SHALL NOT APPLY, UNLESS THE TOTAL PURCHASE PRICE FOR THE DEFECTIVE FINISHED GOODS OR SPARE PARTS HAS BEEN PAID BY THE DUE DATE FOR PAYMENT.

THE WARRANTY CONTAINED HEREIN APPLIES ONLY TO THE ORIGINAL PURCHASER AND ARE NOT ASSIGNABLE OR TRANSFERABLE TO ANY SUBSEQUENT PURCHASER OR END-USER.

THIS WARRANTY IS SUBJECT TO THE SHIPMENT OF THE GOODS, WITHIN THE WARRANTY PERIOD, TO THE CHROMA-Q® WARRANTY RETURNS DEPARTMENT, BY THE PURCHASER, AT THE PURCHASER'S EXPENSE. IF NO FAULT IS FOUND, CHROMA-Q® WILL CHARGE THE PURCHASER FOR THE SUBSEQUENT RETURN OF THE GOODS.

CHROMA-Q® RESERVES THE RIGHT TO CHANGE THE WARRANTY PERIOD WITHOUT PRIOR NOTICE AND WITHOUT INCURRING OBLIGATION AND EXPRESSLY DISCLAIMS ALL WARRANTIES NOT STATED IN THIS LIMITED WARRANTY.



Disclaimer

THE INFORMATION CONTAINED HEREIN IS OFFERED IN GOOD FAITH AND IS BELIEVED TO BE ACCURATE. HOWEVER, BECAUSE CONDITIONS AND METHODS OF USE OF OUR PRODUCTS ARE BEYOND OUR CONTROL, THIS INFORMATION SHOULD NOT BE USED IN SUBSTITUTION FOR CUSTOMER'S TESTS TO ENSURE THAT CHROMA-Q® PRODUCTS ARE SAFE, EFFECTIVE, AND FULLY SATISFACTORY FOR THE INTENDED END USE. SUGGESTIONS OF USE SHALL NOT BE TAKEN AS INDUCEMENTS TO INFRINGE ANY PATENT. CHROMA-Q® SOLE WARRANTY IS THAT THE PRODUCT WILL MEET THE SALES SPECIFICATIONS IN EFFECT AT THE TIME OF SHIPMENT. YOUR EXCLUSIVE REMEDY FOR BREACH OF SUCH WARRANTY IS LIMITED TO REFUND OF PURCHASE PRICE OR REPLACEMENT OF ANY PRODUCT SHOWN TO BE OTHER THAN AS WARRANTED.

CHROMA-Q® RESERVES THE RIGHT TO CHANGE OR MAKE ALTERATION TO DEVICES AND THEIR FUNCTIONALITY WITHOUT NOTICE DUE TO OUR ONGOING RESEARCH AND DEVELOPMENT.

THE CHROMA-Q® THE FORCE RANGE HAS BEEN DESIGNED SPECIFICALLY FOR THE LIGHTING INDUSTRY. REGULAR MAINTENANCE SHOULD BE PERFORMED TO ENSURE THAT THE PRODUCTS PERFORM WELL IN THE ENTERTAINMENT ENVIRONMENT.

IF YOU EXPERIENCE ANY DIFFICULTIES WITH ANY CHROMA-Q® PRODUCTS PLEASE CONTACT YOUR SELLING DEALER. IF YOUR SELLING DEALER IS UNABLE TO HELP PLEASE CONTACT SUPPORT@CHROMA-Q.COM. IF THE SELLING DEALER IS UNABLE TO SATISFY YOUR SERVICING NEEDS, PLEASE CONTACT THE FOLLOWING, FOR FULL FACTORY SERVICE:

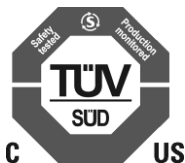
OUTSIDE NORTH AMERICA:	NORTH AMERICA:
TEL: +44 (0)1494 446000	TEL: 416-255-9494
FAX: +44 (0)1494 461024	FAX: 416-255-3514
SUPPORT@CHROMA-Q.COM	SUPPORT@CHROMA-Q.COM

FOR FURTHER INFORMATION PLEASE VISIT THE CHROMA-Q® WEBSITE AT WWW.CHROMA-Q.COM.
CHROMA-Q® AND INSPIRE ARE TRADEMARKS, FOR MORE INFORMATION ON THIS VISIT
WWW.CHROMA-Q.COM/TRADEMARKS.

THE RIGHTS AND OWNERSHIP OF ALL TRADEMARKS ARE RECOGNIZED.

IMPORTANT NOTICE:

AS PER THE REQUIREMENTS IN THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION STANDARDS FOR PRODUCT APPROVAL, PLEASE REFER TO THE OSHA WEB PAGES [HTTP://WWW.OSHA.GOV/DTS/OTPCA/NRTL/](http://WWW.OSHA.GOV/DTS/OTPCA/NRTL/) FOR INFORMATION ON THE LIST OF NATIONALLY RECOGNIZED TESTING LABORATORIES (NRTL) AND THE SCOPE OF RECOGNITION.



Safety information



WARNING!

Read the safety precautions in this section before installing, powering, operating or servicing this product.



Warning!
Safety Hazard.
Risk of severe injury or death.



Warning!
Fire Hazard.



Warning!
Hazardous Voltage.
Risk of severe lethal electric shock.



Warning!
Refer to User manual.

Warning!

- READ THE USER MANUAL BEFORE INSTALLING AND OPERATING THE CHROMA-Q[®] THE FORCE. FOR FUTURE REFERENCE, KEEP AND USE THE MANUAL.
- SAFETY PRECAUTIONS GIVEN IN USER MANUAL MUST BE FOLLOWED AT ALL TIMES AND THE MANUALS OF ALL THE DEVICES YOU CONNECT IT TO. OBSERVE ALL THE WARNINGS PRINTED ON DEVICES AND IN MANUALS. MAKE SURE WHOEVER IS INVOLVED IN WORKING ON OR USING THE FORCE HAS CAREFULLY READ AND UNDERSTOOD ALL THE SAFETY PRECAUTIONS AND LASTED WARNINGS.
- INSTALL, CONNECT, OPERATE AND SERVICE DEVICES ONLY AS DESCRIBED IN THIS MANUAL AND IN CONNECTED DEVICES' MANUALS AND ONLY IN ACCORDANCE WITH LOCAL LAWS AND REGULATIONS. ALL CHROMA-Q[®] MANUALS ARE SUPPLIED WITH DEVICES AND ARE ALSO AVAILABLE FOR DOWNLOAD FROM WWW.CHROMA-Q.COM.
- THE FORCE DOES NOT HAVE USER-SERVICEABLE PARTS. REFER ANY OPERATION NOT DESCRIBED IN THIS MANUAL TO SUPPORT@CHROMA-Q.COM.
- IF YOU EXPERIENCE DIFFICULTIES WITH ANY CHROMA-Q PRODUCTS PLEASE CONTACT YOUR LOCAL DEALER. IF YOUR LOCAL DEALER IS UNABLE TO HELP THEN PLEASE CONTACT SUPPORT@CHROMA-Q.COM.
- IF YOU ARE HAVING TROUBLE FINDING WHAT YOU ARE LOOKING FOR ON OUR WEBSITE, THEN CONTACT OUR CHROMA-Q MARKETING DEPARTMENT BY SENDING AN EMAIL TO MARKETING@CHROMA-Q.COM.

PROTECTION FROM ELECTRIC SHOCK

- USE ONLY THE CABLES SPECIFIED IN THIS MANUAL AND ON THE CHROMA-Q® WEBSITE AT WWW.CHROMA-Q.COM TO INTERCONNECT DEVICES IN THE INSTALLATION. IF THE SPECIFIED CABLES ARE NOT LONG ENOUGH FOR AN INTENDED CABLE RUN, CONSULT CHROMA-Q® FOR ASSISTANCE IN FINDING OR CREATING A SAFE ALTERNATIVE SOLUTION.
- PROVIDE A MEANS OF LOCKING OUT AC MAINS POWER THAT ALLOWS POWER TO THE INSTALLATION TO BE SHUT DOWN AND MADE IMPOSSIBLE TO REAPPLY, EVEN ACCIDENTALLY, DURING WORK ON THE INSTALLATION.
- SHUT DOWN POWER TO THE INSTALLATION DURING SERVICE AND WHEN IT IS NOT IN USE.
- BEFORE APPLYING POWER TO THE INSTALLATION, CHECK THAT ALL POWER DISTRIBUTION EQUIPMENT AND CABLES ARE IN PERFECT CONDITION AND RATED FOR THE CURRENT REQUIREMENTS OF ALL CONNECTED DEVICES.
- ISOLATE THE INSTALLATION FROM POWER IMMEDIATELY IF ANY PRODUCT, POWER CABLE OR POWER PLUG IS IN ANY WAY DAMAGED, DEFECTIVE OR WET, OR IF IT SHOWS SIGNS OF OVERHEATING.
- DO NOT IMMERSE THE FORCE IN WATER OR EXPOSE IT TO HIGH-PRESSURE WATER JETS.

PROTECTION FROM BURNS AND FIRE

- THE FORCE IS COOLED PASSIVELY BY NATURAL AIR CONVECTION. PROVIDE ADEQUATE CLEARANCE FOR AIRFLOW AROUND THE DEVICE.
- DO NOT OPERATE THE FORCE, IF THE AMBIENT TEMPERATURE (T_A) EXCEEDS 40° C (104° F).
- DO NOT MODIFY THE FORCE, IN ANY WAY NOT DESCRIBED IN THIS MANUAL OR INSTALL OTHER THAN GENUINE CHROMA-Q® PARTS.

PROTECTION FROM INJURY

- NEVER TRY TO REPAIR THE PRODUCT. REPAIRS CARRIED OUT BY UNSKILLED PEOPLE CAN LEAD TO DAMAGE OR MALFUNCTION. PLEASE CONTACT THE NEAREST AUTHORIZED DEALER OR CONTACT SUPPORT@CHROMA-Q.COM.

KEEP THIS USER MANUAL FOR FUTURE CONSULTATION. IF THIS PRODUCT IS USED BY ANOTHER USER, BE SURE THAT THEY ALSO RECEIVE THIS DOCUMENT.



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1. Product Overview

“Chroma-Q The Force”, the versatile multi-tool designed for the dedicated lighting professional. This robust device streamlines the firmware update process across a wide range of Chroma-Q products, including the 2inspire series.

With the capacity to store numerous firmware versions for various products, “Chroma-Q The Force” ensures that your equipment is always up-to-date, whether through RS485 or Ethernet connections.

Additionally, its RDM management capabilities allow for remote addressing and configuration of RDM-compatible devices, while the integrated DMX viewer provides real-time monitoring of DMX signals, making it an indispensable tool for service centers, rental shops, and road crews alike.

"The Force: Your Essential Companion"



2. Operation

2.1 Unpacking the Units

The package includes The Force device, a USB-C power adaptor (PD) with 3 plugs, a USB-C cable and a Quick Start Guide.

We recommend that you keep the original packaging in case the item needs to be returned.

The Force Device x1

USB-C Power Adapater (PD) x1

USB-C Cable x1

NA/EU/UK Plugs x3

Quick Start Guide x1

Package Contents



2.2 Power and connections

The Force device can either be powered from the included Chroma-Q USB-C power adaptor (PD) or from a PoE source using the ethernet jack.

Important: PoE cannot be used as a power source when The Force is connected to DMX fixtures. Use the included USB-C power adaptor as the power source when connecting The Force to a DMX fixture. It is also possible to use a power bank to power The Force.

Note: The Power Bank/Adapter needs to provide power of $9V \equiv 1.25A \rightarrow 12W$ or $12V \equiv 1.25A \rightarrow 15W$

The power LED lights on the back will turn on to confirm that it is operational. It may take over 30 seconds for the splash screen to appear.



2.3 Main Menu

2.3.1 Plug in the power source, wait up to 30s, The Force device will be in the main menu.

2.3.1.1 Ethernet Firmware, to upload firmware to fixtures such as 2inspire PoE

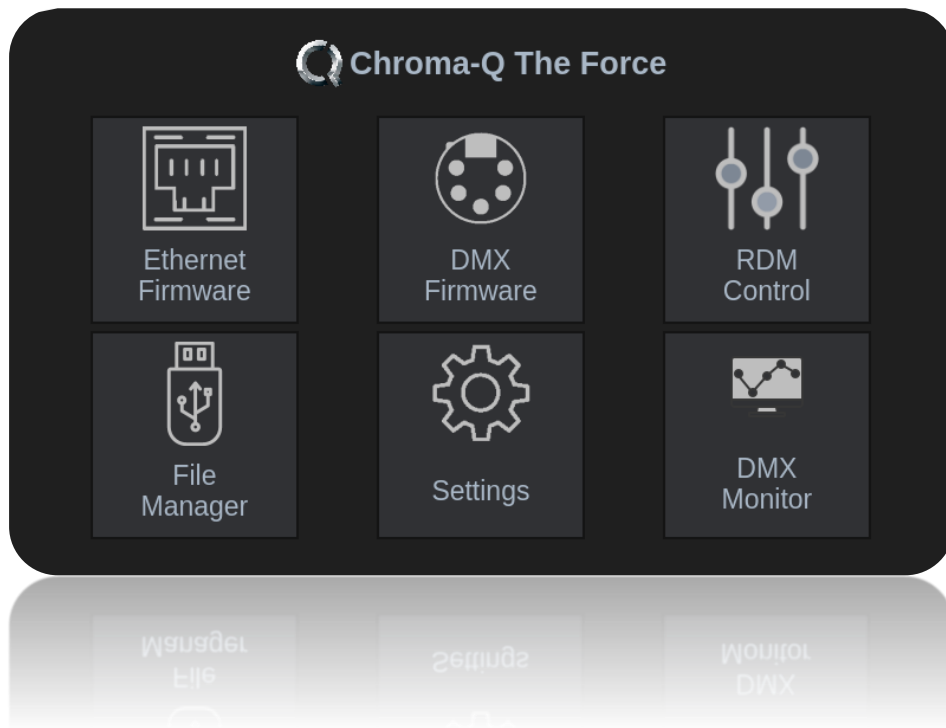
2.3.1.2 DMX Firmware, to upload firmware to fixtures such as Color Force II

2.3.1.3 RDM Control, to control either Ethernet or DMX devices

2.3.1.4 File Manager, to add or remove firmware's from The Force

2.3.1.5 Settings, to access various device related settings

2.3.1.6 DMX Monitor, to read and change DMX channels



Contains Banner (default to Chroma-Q The Force)
Six Applications to launch

2.4 Subnet and IP Connection

Configuration:

ArtNet protocol typically requires a subnet mask setting of 255.0.0.0 with an IP address in the range of 2.x.x.x.

As such, ArtNet compatible fixtures tend to have a default IP address of 2.x.x.x. But, in reality, default addressing may sometimes differ, and for this reason, Chroma-Q software allows Art-Net frames to be sent over any network configuration. However, it is necessary to check the compatibility between the configuration of your ArtNet fixtures and your computer. Be careful to apply the same subnet mask with common class for each fixture on the network or the fixtures will not be discovered.

For more detail on ArtNet please go to chromateq.com/all-about-art-net/

Select Ethernet Fixtures

	Fixture Name	Version	IP Address
1	Chroma-Q 2inspire 200	1.3.0	2.2.71.50
2	Chroma-Q 2inspire 100	1.3.0	2.168.53.125
3	Chroma-Q 2inspire 200	1.3.0	2.217.225.220

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IP and Subnet Mask are modifiable

Make sure version is up to date

ArtNet mostly work with a Subnet Mask of 255.0.0.0

You need IP header of 2.x.x.x to connect to devices with IP address of 2.x.x.x

subnet should match the fixtures IP range/Subnet of the fixture(s) to be updated

IP config is also applicable to ArtNet RDM connectivity, setting the IP of the device will affect both the ArtNet firmware upload and the ArtNet RDM.

Examples:

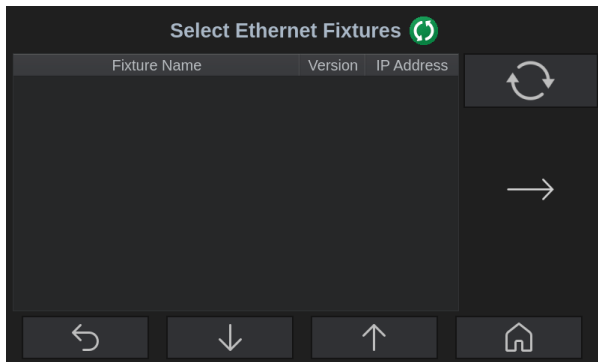
If you are using an Art-Net fixture with the IP address 2.0.0.4. and a subnet mask of 255.0.0.0, your computer should have a subnet mask of 255.0.0.0 with an IP address 2.x.x.x (for example, 2.0.0.5).

If you are using an Art-Net fixture with the IP address 192.168.0.4 and a subnet mask of 255.255.255.0, your computer shall have a subnet mask of 255.255.255.0 with an IP address 192.168.0.x (for example, 192.168.0.5)




2.5 Ethernet Firmware Upload

From the Main menu (shown on start-up), select the Ethernet Upload

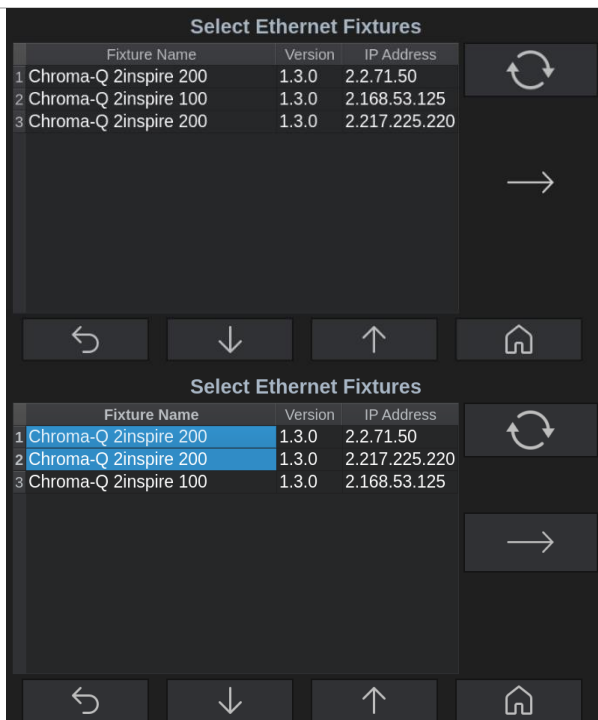


A list of discovered device type detected over the ethernet network will appear



Any compatible Ethernet fixture type will show in the list

Press  to refresh the list

Press the arrow  to proceed with the selection




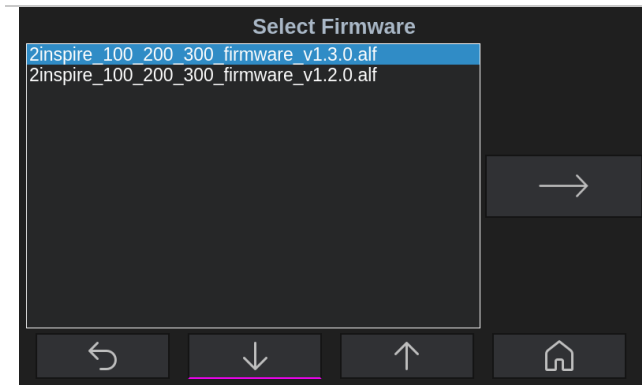
Read the Instructions carefully to prevent any issues with the upload


If applicable, select the 'clear'  and 'upload'  icons when appropriate to update the desired firmware onto the device

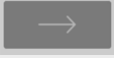
Press refresh icon to discover fixtures 

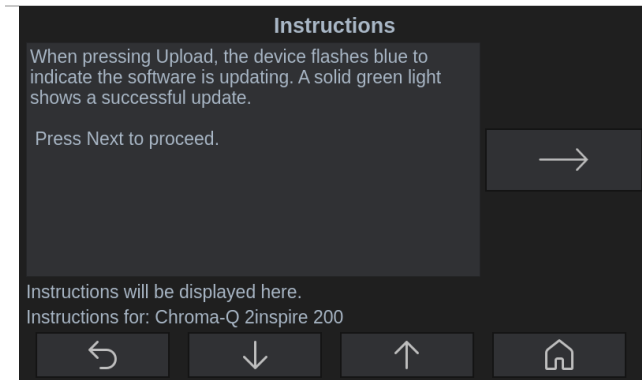
The refresh icon will spin while it is discovering

Select a firmware file (loaded onto the device storage) and select the next arrow 

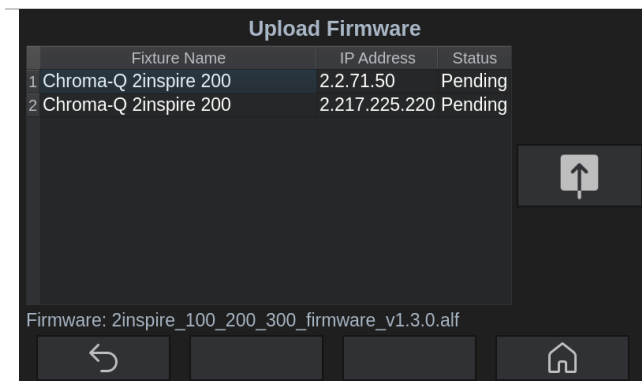


When devices are found, select the ones that you would like to update then press the next icon 

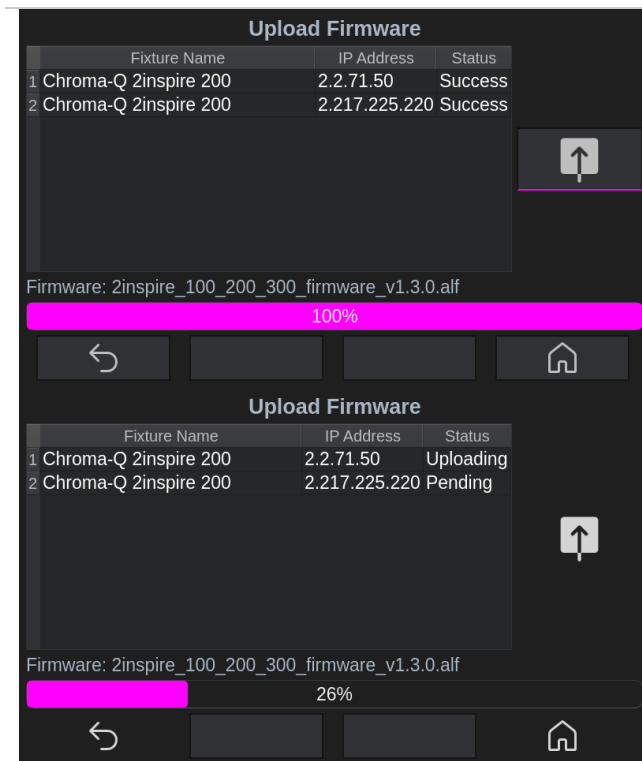
Read the Instructions Carefully as they may change between different fixture type and firmware version, proceeding by selecting the next arrow 




Next select the available firmware on the list then press the next icon 



After reading the instructions, press the next icon 



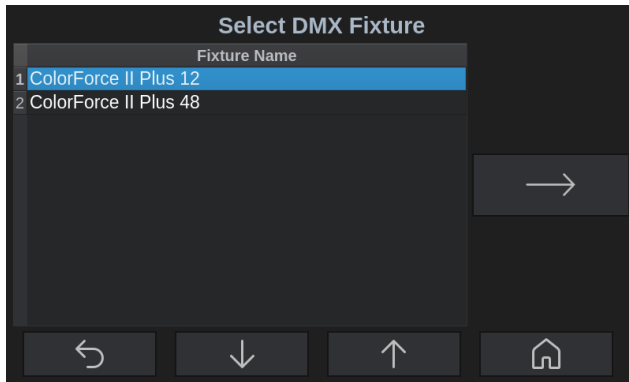
Confirm the firmware version that you would like to upload and press the upload icon to start 

the progress bar will show for each fixture that is being updated

the status tab will show the current status of the fixtures being updated

if there are any that have failed, pressing the upload button when all fixtures are completed (will apply the upload to the failed fixtures)

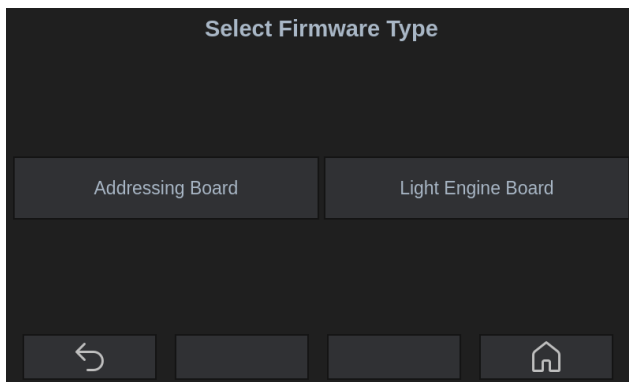
2.6 DMX Firmware Upload



From the Main menu (shown on start up), select the DMX Firmware button to proceed to select a device type based on the available firmware onboard The Force memory

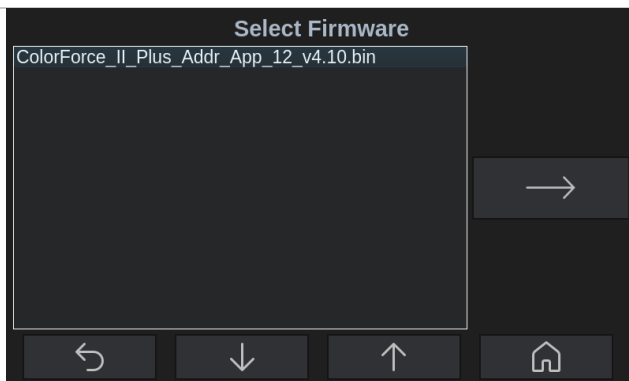
If this list is empty, then there are no DMX firmware files found on the device

Press the target fixture type that you would like to upload to e.g. Color Force II Plus 12

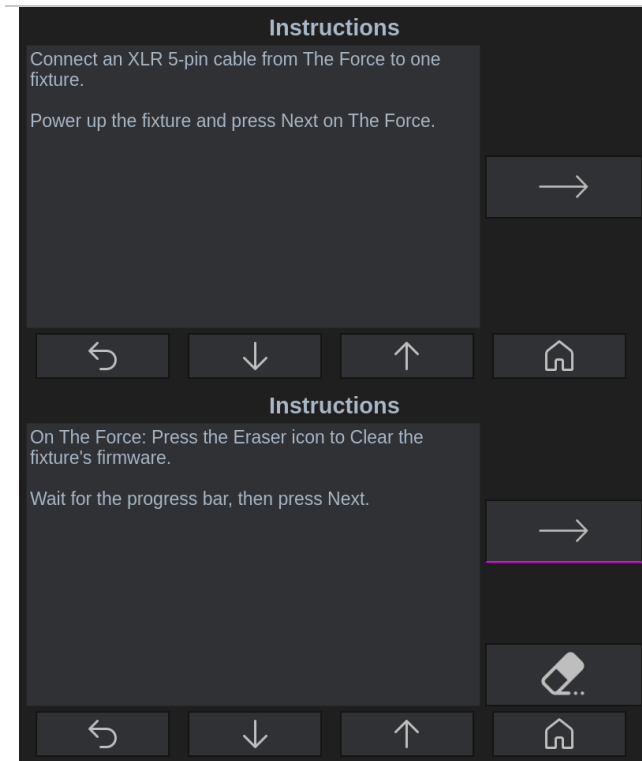


Select where on the device you would like to upload



- Addressing board (Display)
- Light Engine Board (LED)

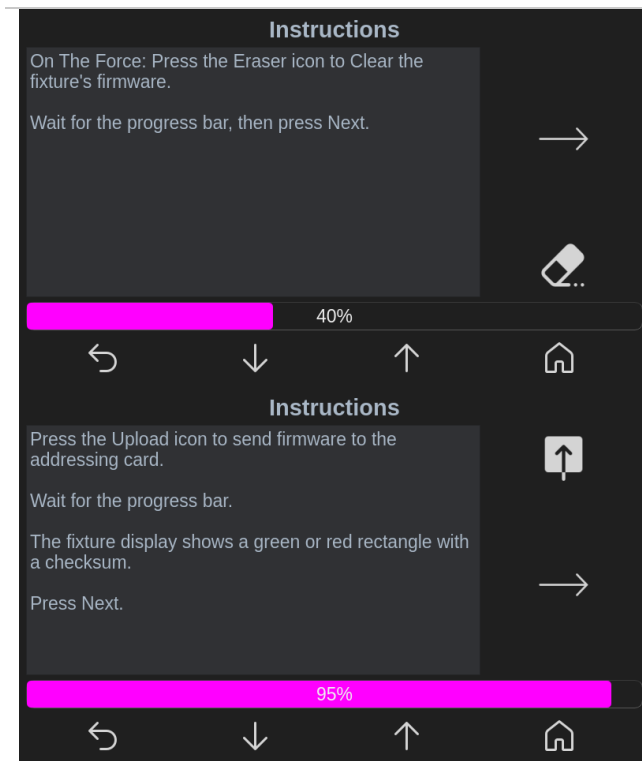


Select from the list of firmware that are compatible with the Destination Device that you would like to upload to

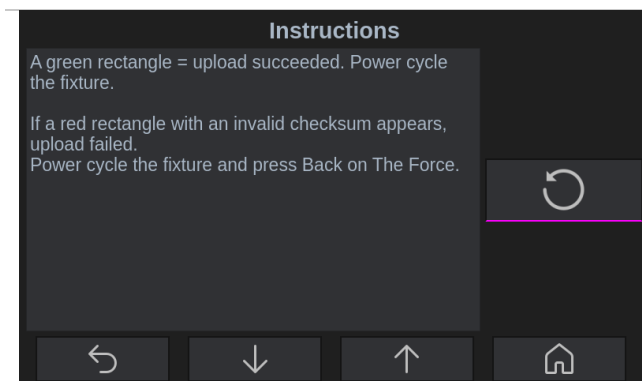


Read the Instructions carefully to prevent any issues with the upload

If applicable, select the 'clear'  and 'upload'  icons when appropriate to update the desired firmware onto the device

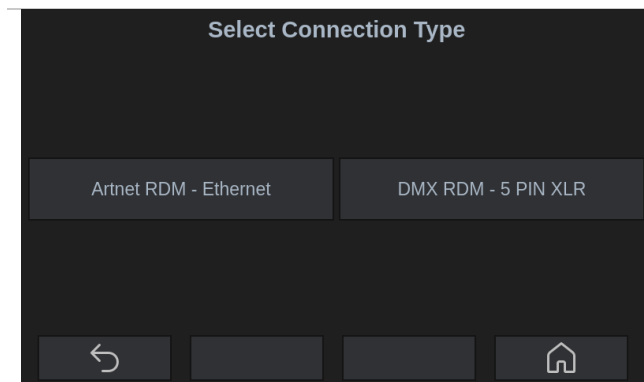


The progress bar will be present with an estimated time of upload and clearing of the target board



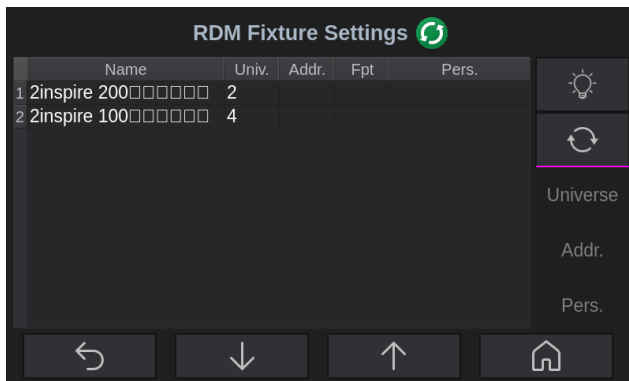
When the firmware upload is complete, Pressing the start over icon will allow you to start from the start of the instructions, making uploading to multiple devices easier

2.7 RDM Control



From this page select whether to control Ethernet devices or DMX devices on RDM

2.7.1 ArtNet RDM – Ethernet



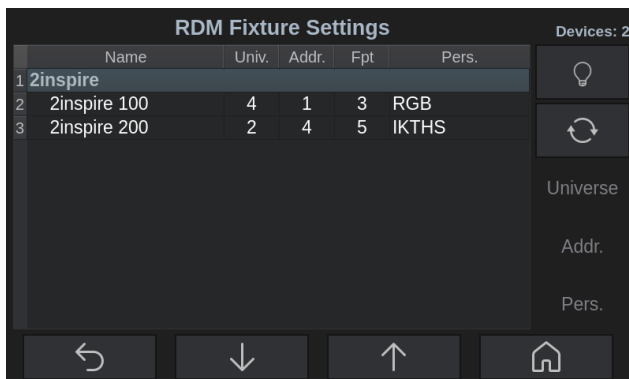
Wait for the devices to be discovered, if there are any missing devices or information, press the refresh icon to reload the device table

Press the lightbulb icon to toggle identifying the devices when you select them

You can select via the up and down arrows or using the touch screen

Pressing on the table header will select all devices

Pressing on the table sub headers will select all devices in that category



Select the devices which you would like to change, and press the respective button

Top right will show the total number of devices found, pressing the refresh icon will run the search again, retrieving any missing devices

2.7.1.1 Set Device Universe

The interface is titled "Set Device Universe". It features a table with two columns: "Name" and "Universe".

Top Screenshot:

	Name	Universe
1	2inspire	
2	2inspire 100	4
3	2inspire 200	2

Universe: 4

Navigation buttons: Back, Down, Up, Save.

Bottom Screenshot:

	Name	Universe
1	2inspire	
2	2inspire 100	4
3	2inspire 200	2

Universe: 4

Navigation buttons: Back, Down, Up, Save.

Select devices which you would like to change the Universe for

Use the number pad to enter in your desired universe

pressing the save button will apply the new Universe to all selected devices

2.7.1.2 Set Device Address

Set Device Address

	Name	Address	Footprint
1	2inspire		
2	2inspire 100	1	3
3	2inspire 200	4	5

Address: 1

1 2 3
4 5 6
7 8 9
X 0 AUTO

← ↓ ↑ Save

Set Device Address

	Name	Address	Footprint
1	2inspire		
2	2inspire 100	1	3
3	2inspire 200	4	5

Address: 4

1 2 3
4 5 6
7 8 9
X 0 AUTO

← ↓ ↑ Save

Select devices which you would like to change the Address for

Use the number pad to enter in your desired Address

pressing the save button will apply the new Address to all selected devices

Set Device Address

	Name	Address	Footprint
1	2inspire		
2	2inspire 100	1	3
3	2inspire 200	1	5

Address: 1

1 2 3
4 5 6
7 8 9
X 0 AUTO

← ↓ ↑ Save

Set Device Address

	Name	Address	Footprint
1	2inspire		
2	2inspire 100	1	3
3	2inspire 200	4	5

Address: 1

1 2 3
4 5 6
7 8 9
X 0 AUTO

← ↓ ↑ Save

Pressing the "AUTO" button will perform auto-addressing for all selected fixtures, taking into account the desired address and each device's footprint

Auto addressing:

if device A, B and C have footprints of 3,4,2 and they are selected with a targeted address of 10, then
device A will have address 10 saved (target address),
device B will have address 13 saved, (device A address + device A footprint),
device C will have address 17 saved, (device B address + device B footprint)

2.7.1.3 Set Device Address



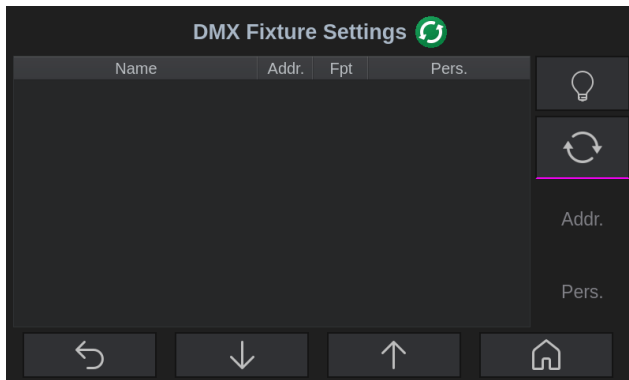
Select devices in the same category that you would like to change the Personality for

select the devices on the list to the right to select a personality

Select the save icon to save the new personality

Up and down arrows only change the selection of the device, not the personality list

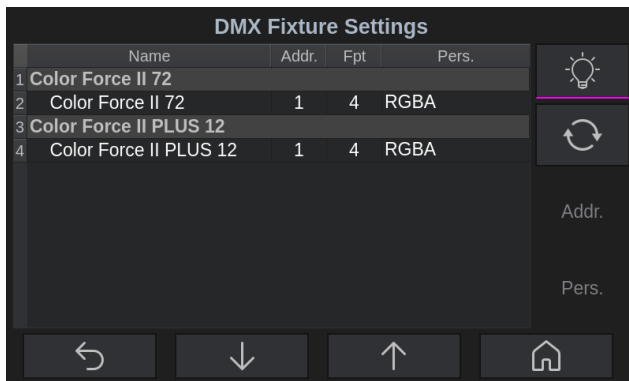
2.7.2 DMX RDM – 5 Pin XLR



Wait for the devices to be discovered, if there are any missing devices or information, press the refresh icon to reload the device table

press the lightbulb icon to toggle identifying the devices when you select them

you can select via the up and down arrows or using the touch screen



Pressing on the table header will select all devices

Pressing on the table sub headers will select all devices in that category

Select the devices which you would like to change, and press the respective button to change their device attribute (i.e. address, personality)

Top right will show the total number of devices found, pressing the refresh icon will run the search again, retrieving any missing devices

2.7.2.1 Set Device Address

Set Device Address

	Name	Addr.	Fpt
1	Color Force II 72		
2	Color Force II 72	1	4
3	Color Force II PLUS 12		
4	Color Force II PLUS 12	1	4

Address: 1

1 2 3
4 5 6
7 8 9
X 0 AUTO

← ↓ ↑ ↗

Set Device Address

	Name	Addr.	Fpt
1	Color Force II 72		
2	Color Force II 72	1	4
3	Color Force II PLUS 12		
4	Color Force II PLUS 12	5	4

Address Sent

1 2 3
4 5 6
7 8 9
X 0 AUTO

← ↓ ↑ ↗

Select devices which you would like to change the Address for

Use the number pad to enter in your desired Address

pressing the save button will apply the new Address to all selected devices

Pressing the "AUTO" button will perform auto-addressing for all selected fixtures, taking into account the desired address and each device's footprint

2.7.2.2 Set Device Personality

Set Device Personality

	Name	Current Pers.
1	Color Force II 72	
2	Color Force II 72	RGBA
3	Color Force II PLUS 12	
4	Color Force II PLUS 12	RGBA

Available for device:

RGBA
RGB
HSI
Look Sel

← ↓ ↑ ↗

Set Device Personality

	Name	Current Pers.
1	Color Force II 72	
2	Color Force II 72	RGBA
3	Color Force II PLUS 12	
4	Color Force II PLUS 12	RGBA

Available for device:

RGBA
RGB
HSI
Look Sel

← ↓ ↑ ↗

Select devices in the same category that you would like to change the Personality for

select the devices on the list to the right to select a personality

Select the save icon to save the new personality

Up and down arrows only change the selection of the device, not the personality list

In this view, pressing on the table header will instead cycle through the different device categories, selecting all devices in each

2.8 DMX Monitor

DMX Monitor										
	1	2	3	4	5	6	7	8	9	10
001	0	0	0	0	0	0	0	0	0	0
011	0	0	0	0	0	0	0	0	0	0
021	0	0	0	0	0	0	0	0	0	0
031	0	0	0	0	0	0	0	0	0	0
041	0	0	0	0	0	0	0	0	0	0
051	0	0	0	0	0	0	0	0	0	0
061	0	0	0	0	0	0	0	0	0	0
071	0	0	0	0	0	0	0	0	0	0
081	0	0	0	0	0	0	0	0	0	0
091	0	0	0	0	0	0	0	0	0	0
101	0	0	0	0	0	0	0	0	0	0
Refresh Rate: 0 packets/sec Start Code:										
Start										

DMX Monitor										
	1	2	3	4	5	6	7	8	9	10
001	255	255	255	255	255	255	0	0	0	0
011	0	0	0	0	0	0	0	0	0	0
021	0	0	0	0	0	0	0	0	0	0
031	0	0	0	0	0	0	0	0	0	0
041	0	0	0	0	0	0	0	0	0	0
051	0	0	0	0	0	0	0	0	0	0
061	0	0	0	0	0	0	0	0	0	0
071	0	0	0	0	0	0	0	0	0	0
081	0	0	0	0	0	0	0	0	0	0
091	0	0	0	0	0	0	0	0	0	0
101	0	0	0	0	0	0	0	0	0	0
Refresh Rate: 44 packets/sec START CODE: 00										
Stop										

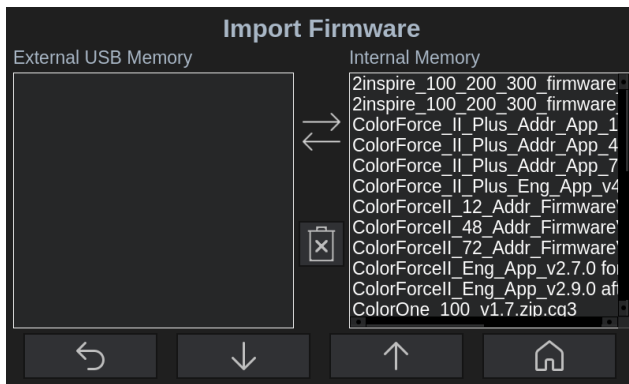
This page shows 512 DMX channels from 1 to 512

Plug in a DMX input source and output source will allow the flow of packet information to be read and passed through to the fixtures downstream

The data stream will only pass through and read when the monitor is active

Activate the monitor or stop it by pressing the start / stop button

2.9 Firmware Import Page



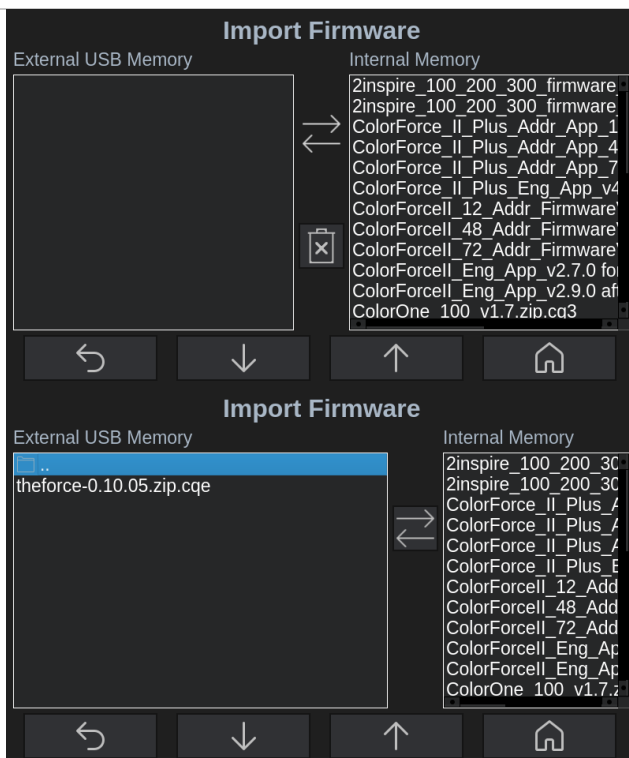
From the Main menu (shown on start-up), select the File Manager button and plug in a USB drive in the USB-A port

Select a compatible CQ3 Firmware file and select the transfer arrows to import said firmware onto the device memory

Alternatively, you can load firmware by plugging the device into a PC computer using a USB B-Type cable into the port on The Force

NOTE: THE FORCE WILL COME WITH ALL THE LATEST FIRMWARE OF THE FIXTURE.

2.9.1 Firmware Import Page (folder navigation)

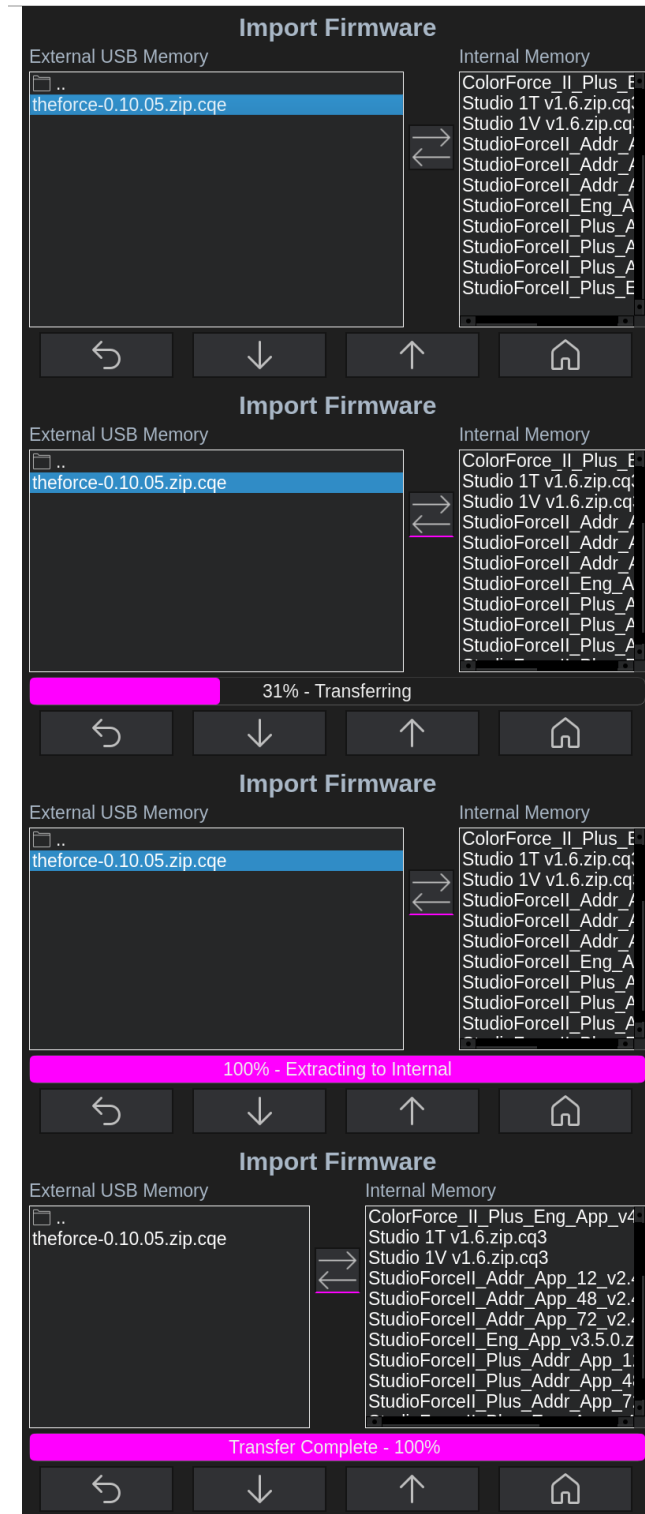



Once plugged in, navigate the USB directory to find the desired firmware (.cq3 or .cqe only)

Double tap on a selected folder to enter the targeted directory, double tap on the ".."

 folder to navigate one level up in the USB directory

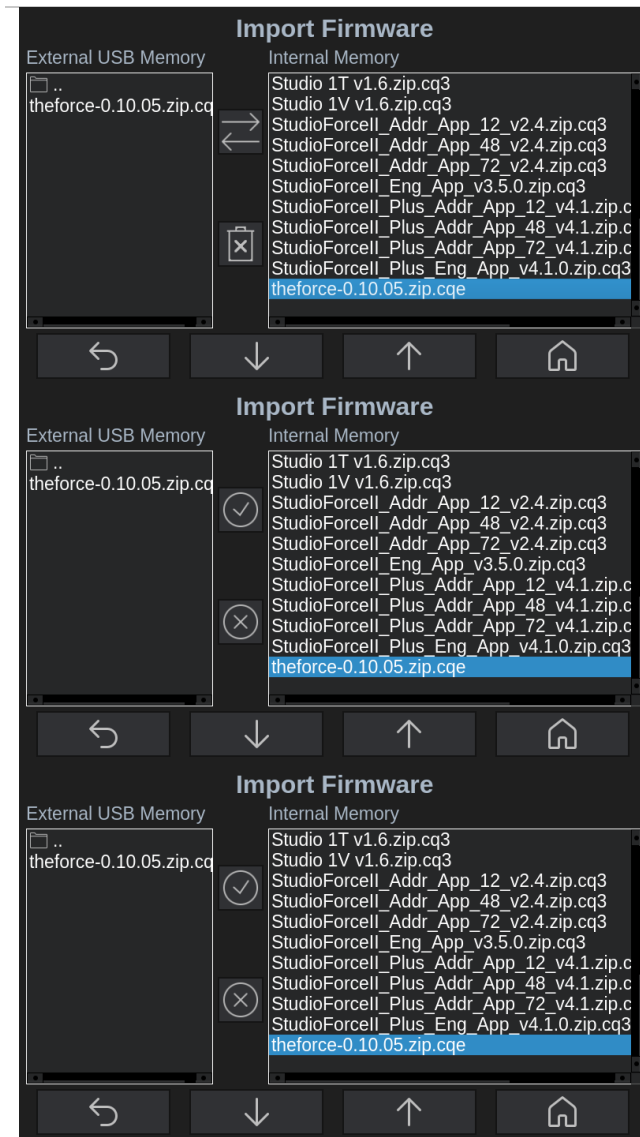
2.9.2 Firmware Import Page (Transferring Files)



Transfer selected .cq3 or .cqe files by pressing the two arrows in the middle (middle transfer button). 

You are able to export .cq3 files from The Force to the USB or from the USB to The Force.

2.9.3 Firmware Import Page (Deleting Files)

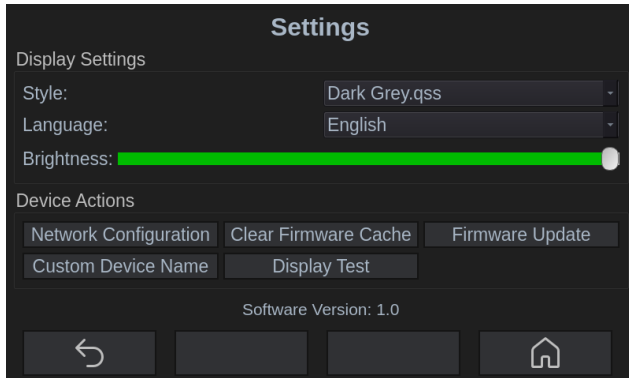


Delete selected .cq3 or .cqe files by pressing the garbage bin icon in the middle (delete button)

You are only allowed to delete files on The Force

2.10 Settings Page

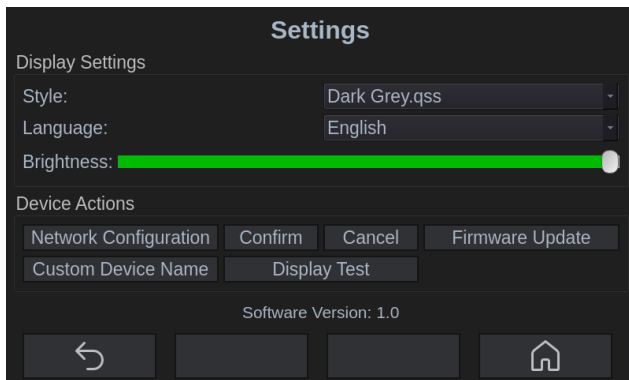
From the Main menu (shown on startup), select the Settings button to proceed to change device settings



In this menu you can:

- Change the Style of how the items are displayed on the program
- Change the Language of how text is displayed on the program
- Change the brightness of the LCD display
- Detect and apply any software updates that are available for the device
- Customize the Device Name (appeared on the Main Menu)
- Check the current software version of The Force

This page shows Configurable settings and firmware Version



The Style can be changed via the drop-down menu, available styles are (black, dark grey, grey, white)

Currently supported language: English

The brightness can be adjusted with the brightness slider (bright to dark)

The Device Actions section are used to set major device settings e.g. IP, banner name, firmware update

The clear firmware cache will clear the internal cache (not the files imported from PC) once the user selects the confirm button (cancel will cancel the action)

2.10.1 Network Configuration

Device Network Status

IP Address: 2.0.0.1

Edit

Subnet Mask: 255.0.0.0

Edit

↶

🏠

This page will show the current device IP and subnet

Press the edit icon to select whether to edit the IP address or the Subnet Mask

Note that for ArtNet, the subnet mask is required to be 255.0.0

Set a Custom IP Address

2.0.0.1

7	8	9
4	5	6
1	2	3
.	0	del
Save	Restore Default	Discard

Set a Custom Subnet Address

255.0.0.0

7	8	9
4	5	6
1	2	3
.	0	del
Save	Restore Default	Discard

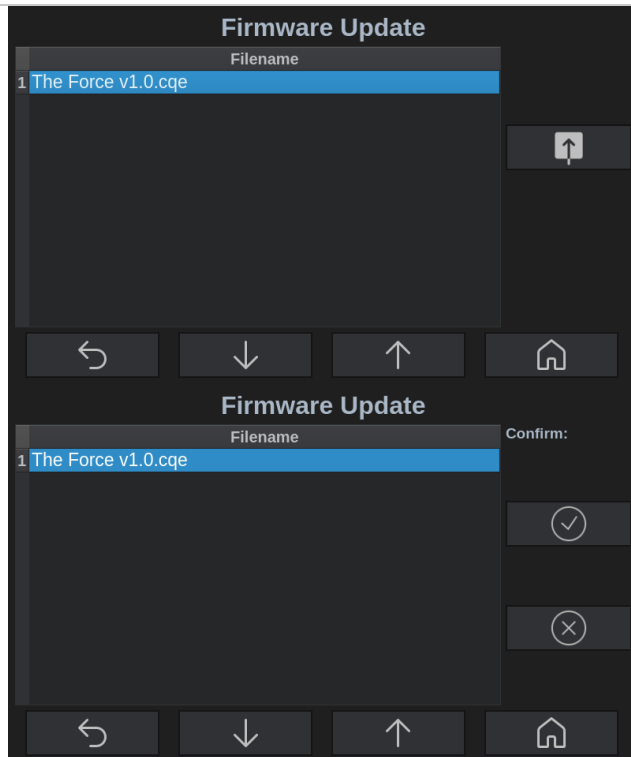
Use the number pad to enter a desired IP address or Subnet Address

Pressing save will save the entered value as the new address

Discard will keep previous saved value

Restore Default will restore the device to 2.0.0.1 IP and 255.0.0.0 Subnet

2.10.2 Firmware Update



Use the up and down arrows or select the desired firmware version to update to

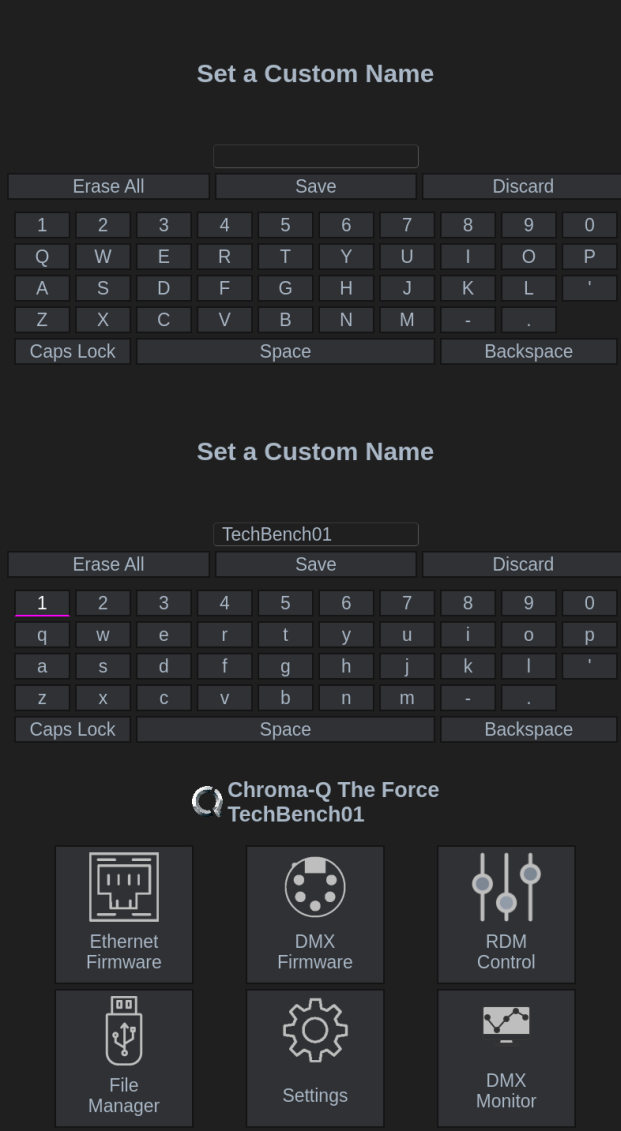
Press the upload icon once ready

Press the confirm button to start updating The Force

A progressbar will show the update process

If at any time you would like to cancel the update, please unplug the power source and restart The force

2.10.3 Device Custom Name



Set a Custom Name

Erase All Save Discard

1 2 3 4 5 6 7 8 9 0

Q W E R T Y U I O P

A S D F G H J K L '

Z X C V B N M - .

Caps Lock Space Backspace

Set a Custom Name

TechBench01

Erase All Save Discard

1 2 3 4 5 6 7 8 9 0

q w e r t y u i o p

a s d f g h j k l '

z x c v b n m - .

Caps Lock Space Backspace

Chroma-Q The Force
TechBench01

Ethernet Firmware DMX Firmware RDM Control

File Manager Settings DMX Monitor

Use this menu to enter a custom banner name for The Force, this name is saved and can be cleared by using the Erase All button

The Discard Button will revert back to the previous custom banner set

example of a custom banner applied to The Force: "TechBench01"

You may set your own

3. Specifications

3.1 Technical Specifications

Product Code	CQ1527-1000 Chroma-Q The Force
Net Dimensions – Length x Width x Height	180 X 84 X 136mm 7.1 X 3.2 X 5.35 In
Net Weight	1.12 kg; 2.5 lbs.
Shipping Dimensions - Length x Width x Depth	256 X 220 X 130mm 10 X 8.66 X 5.12 In
Shipping Weight	1.785 kg; 3.95 lbs.
Power & Connections	DC PoE, RJ45 or USB type C
Power Supply	PoE AF, (Up to 15w) or USB type C PD <i>Note: PoE cannot be used as a power source when The Force is connected to DMX fixtures. Use the included USB-C power adapter as the power source when connecting The Force to a DMX fixture.</i>
Power Input Rating	9-12VDC for USB C input / 44-57 VDC for PoE input
Power Consumption	12 to 15W
Rated input current	0.6A
Idle Power Consumption	12W
Control Protocol	Artnet, sACN, DMX
Cooling System	Convection
Operating Temperature	0°C to 40°C
Construction	Powder-coated steel
Color	Black and Gray
IP Rating	IP20
Approvals	This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation
Sound Level	Idle Sound Level 30.72 dB - TBD Maximum Sound Level 31.44 dB - TBD

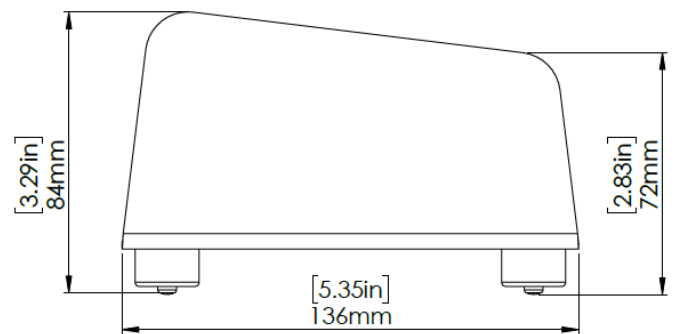
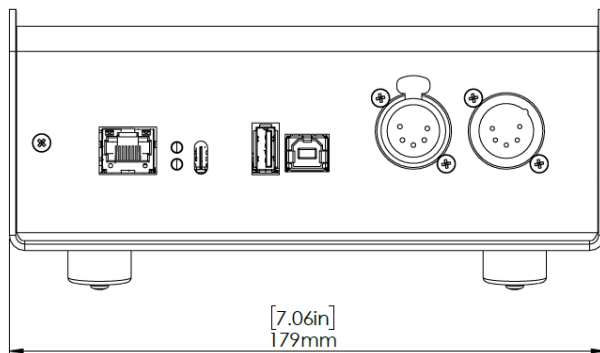
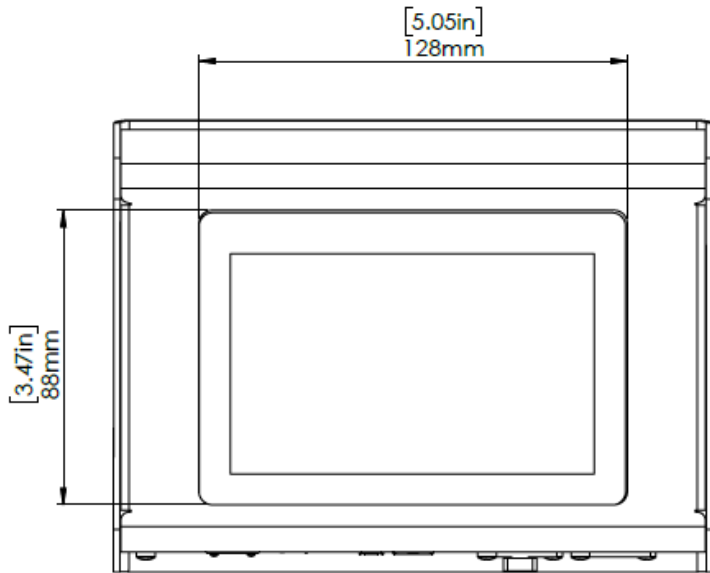
*Measured under manufacturer's test conditions

** For exact measurements please refer to the line drawings below



4. Drawings – Measurements in Metric and Imperial

4.1 The Force



SCALE: 1:1.5

5. Maintenance

- 5.1 **Cleaning:** Periodically clean the external surface of the fixtures using a soft, lint-free cloth. Ensure that the device is switched off and disconnected from the power source before cleaning.
- 5.2 **Environmental Considerations:** Keep the device away from extreme temperatures, excessive humidity, corrosive substances, and direct exposure to sunlight or water. Such conditions may affect the performance and longevity of the device.
- 5.3 **Power Supply:** Verify that the device is receiving a stable power supply within the specified voltage range. Any fluctuations or irregularities in the power source should be addressed promptly to prevent any potential damage.
- 5.4 **Professional Assistance:** If you encounter any technical issues or concerns with the device, please consult a qualified technician or reach out to the manufacturer's customer support for assistance. Do not attempt to disassemble or repair the device yourself.
- 5.5 By adhering to these maintenance guidelines, you can ensure optimal performance and prolong the lifespan of the device. If you have any further questions or require support, please do not hesitate to contact us.