CTOUCH ACADEMY

TRAINING REFERENCE

CTOUCH Riva EShare

English

YOUR RECIPE FOR SUCCESS

Share, inspire, have fun!
With CTOUCH by your side.

CTOUCH®

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CTOUCH 2021

Authors: Rob Vermeer
Roy Fijn

Email: academy@ctouch.eu

Website: academy.ctouch.eu

Phone: + 31 (0)40 261 8320

Dear CTOUCH User,

This is the manual of the CTOUCH EShare-App.

With this CTOUCH EShare-App you can connect devices with the CTOUCH-screen for wireless sharing (streaming).

In this manual for the EShare-App, we guide you through the main possibilities and functionalities with the aim of making your work faster, easier and even a bit more fun.

Only then will our goal be achieved: to offer everyone a positive experience with interactive sharing of knowledge.

CTOUCH Academy

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1. About EShare

EShare is a set of multi-screen interactive software designed for sharing, wireless display and remote control between mobile devices and CTOUCH touchscreens.

1.1 Main features

- **File sharing:** share any file (such as audio, video, photo, office document, PDF, e-book, APK, etc.) from mobile phone or tablet to your CTOUCH.
- **Remote control:** support wireless control through wireless mouse, air mouse, keyboard, touchpad and remote controller, etc.
- **Wireless camera and microphone:** share the images or audio from your phone camera or microphone to your CTOUCH in real-time.
- **TV Mirror:** mirror the CTOUCH-screen to the client device and touch to control the CTOUCH through the client device.
- **Mirroring:** mirror the client device screen (such as iPhone, iPad, Android device, MacBook, Chromebook, Windows PC and Ubuntu PC, etc.) to the CTOUCH and in case of Windows OS, Mac OS and Ubuntu OS touch to control client devices from the CTOUCH wirelessly (so without touch-control cable (USB), DisplayPort, VGA or HDMI).

- **Screen mirroring (AirPlay):** share images, audio, videos, screen of iPhone or iPad to the CTOUCH with the feature of "Screen Mirroring" on iPhone or iPad.

- **Wireless annotations:** annotate on the CTOUCH through your Android phone in real-time using the TV mirror function.

- **Multiple screens:** share multiple (up to 9) device screens to your CTOUCH at the same time and the screen of the CTOUCH will be split automatically.

- **Display group:** users can share their screen from one client device to multiple CTOUCH-screens wirelessly.

- **Moderator control mode:** the moderator can control the client devices for screen sharing, TV Mirror, wireless annotations, full-screen display, etc.

1.2 CTOUCH & EShare

CTOUCH has chosen to use EShare on the touchscreens. EShare is therefore the default application to connect devices such as computers, laptops and smartphones to the large format displays of CTOUCH.

EShare is pre-installed on the CTOUCH screens. The standard installation allows a user to use all the functions of the application. This can always be done for a period of 5 minutes after which you have to reconnect.

The application can also be used with a license. By entering a license, all functionality of the screen can be used indefinitely.

1.3 Client software

Computers, laptops and mobile phones located on the same network can be connected to the EShare-App on the CTOUCH screens.

Of course, security is possible and you can allow or block access from devices to your CTOUCH-screen. To get the best experience, it is necessary to install the client software.

EShare cliënt software is available for:

OPERATING SYSTEM	VERSION
Android	2.3 or later
MAC	OSX 10.9 or later
iPhone	iOS 9.0 or later
iPad	iOS 9.0 or later
Windows	Windows 7 or later
Chrome	Chrome OS
Ubuntu	12.04 or later (64 bits)

Visit the App-store from your device or download the client software from www.eshare.app

1.4 Network requirements

The EShare-App and the EShare client Apps need to be in the same network. To get a really reliable, robust user experience, it is strongly recommended to connect the CTOUCH using Ethernet and the client device using a 5GHZ WiFi band.

The following network protocols are required:

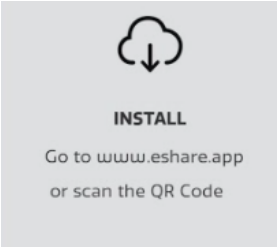
- TCP Ports: 56789, 25123, 8121 & 8000
- UDP Ports: 48689, 25123
- DNS: h1.ee-share.com
- Please enable the broadcast function of the router.

With EShare it is possible to use Airplay/IMIRROR.
For this, it is necessary that the following settings are possible:

- Please ensure that mDNS of network/AP/router (if possible) is enabled.
- TCP Ports: 51040, 51030, 51020 & 51010
- UDP Ports: 5353 (mDNS to broadcast AirPlay)

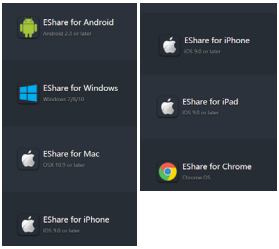
2. Guide for EShare-App

With the EShare-App any user can connect to the CTOUCH-screen and stream their content.
The EShare-App can be downloaded from:
www.eshare.app



2.1 Download client

With a device, connected to the Internet, you can download the EShare-App from the website www.eshare.app.



- **Select your Operating System and download the installation package.**

After installing the package you can connect to the CTOUCH.

Another option for downloading the software is scanning the QR-code.

- **Select your QR-code reader (in most cases just the camera of your mobile device) and scan the QR-code.**

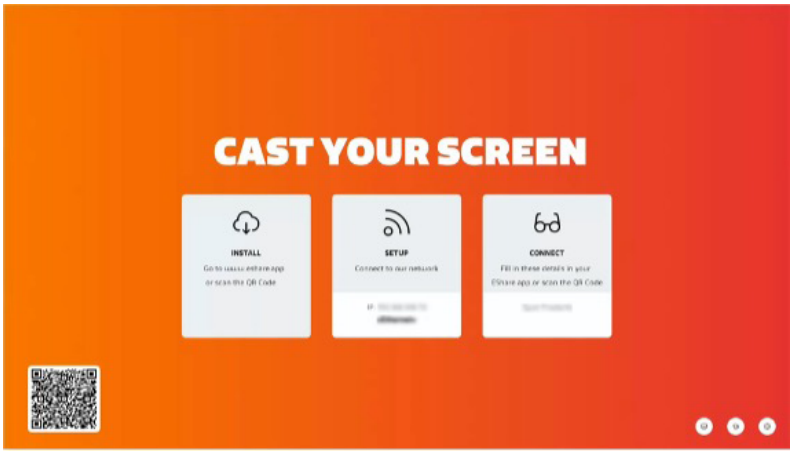
You will be redirected to the download-site of EShare (www.eshare.app).

2.2 Connect to CTOUCH

With the EShare-App installed on your device, it is possible to connect to the CTOUCH-screen.

On the CTOUCH-screen:

- Open the App EShare.
- In case of a 5-minutes Trial version; click on Trial to start.
- Of course you also can buy the license and enter the license-key.



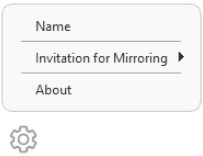
In the middle of the screen the setup-credentials for the EShare-connection are shown.

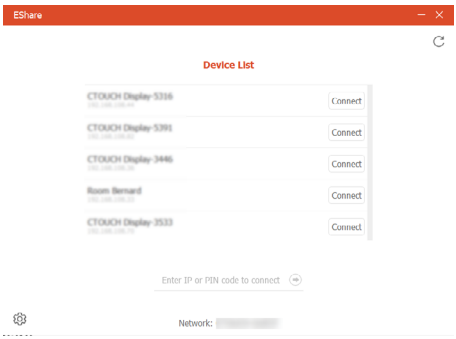
Before continuing with one of the following steps (depending on your Operating System), please make sure that your device and the CTOUCH are on the same (Wireless) network.

2.2.1 Connect Windows-device

EShare
App

- **Open the EShare-App.**
- **Click on the EShare-App settings and click on Name to Enter your name. This name can be shown on the CTOUCH-screen.**
- **Select the CTOUCH-screen you want to connect to.**
- **Click on Connect behind the name of your CTOUCH-screen.**

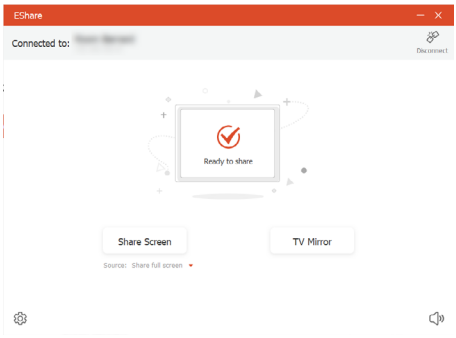




The options Share Screen and TV Mirror are available.

With Share Screen your device-screen will be displayed on the CTOUCH-screen.

With TV Mirror the content of the CTOUCH-screen will be displayed on your device.

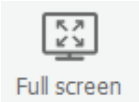


- **Click on Share Screen.**

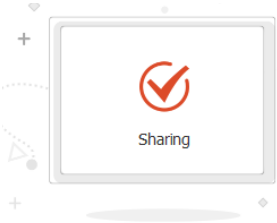
If necessary confirm the displayed pin-code on the screen by entering this pin-code on your device.

The different settings for creating and using a connection can be found in chapter 3.

- **Click on TV Mirror to share the CTOUCH-screen to your device (see chapter 2.3).**
- **Click on Full screen to display your screen 'Full screen' on the CTOUCH-screen.**

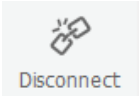


- **Click on Pause to 'Pause' your device from streaming.**



- **Click on Stop to 'Stop' your device from streaming.**

- **When done, click on disconnect to end the connection.**



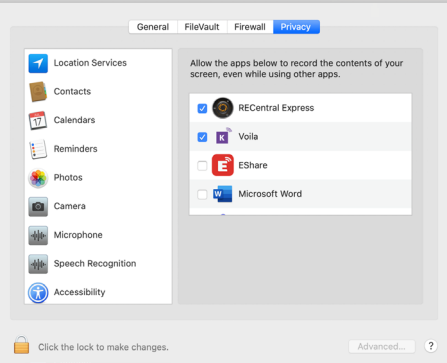
2.2.2 Connect Apple-device

Open the EShare-App.

The Operating System will give a 'Security-message' warning.

Open Security & Settings and allow EShare to record your content of the screen.

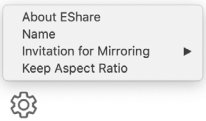
Restart the EShare-App.



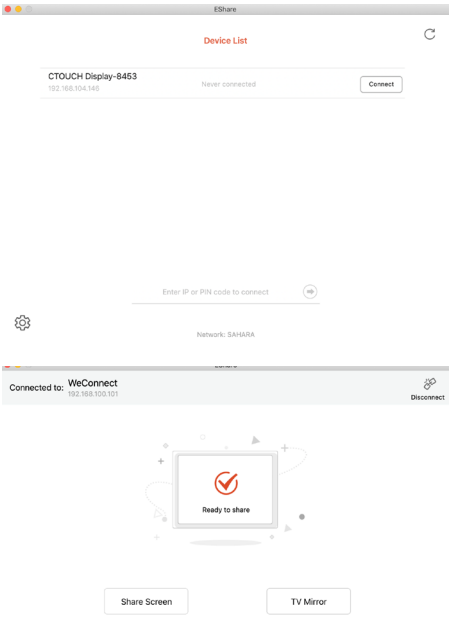
Click on the EShare-App settings and click on Name to Enter your name.

This name shall be shown on the CTOUCH-screen when you connect to the screen.

Select the CTOUCH-screen you want to connect to.



Click on Connect behind the name of your CTOUCH-screen.



The options Share Screen and TV Mirror are available.

With Share Screen your device-screen will be displayed on the CTOUCH-screen.

With TV Mirror the content of the CTOUCH-screen will be displayed on your device.

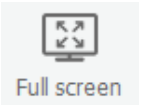
Click on Share Screen.

If necessary confirm the displayed pin-code on the screen by entering this pin-code on your device.

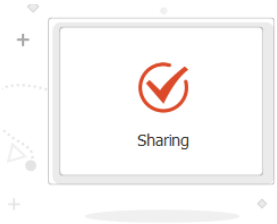
The different settings for creating and using a connection can be found in chapter 3.

Click on TV Mirror to share the CTOUCH-screen to your device (see chapter 2.3).

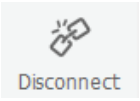
Click on Full screen to display your screen 'Full screen' on the CTOUCH-screen.



- **Click on Pause to 'Pause' your device from streaming.**
- **Click on Stop to 'Stop' your device from streaming.**



- **When done, click on disconnect to end the connection.**



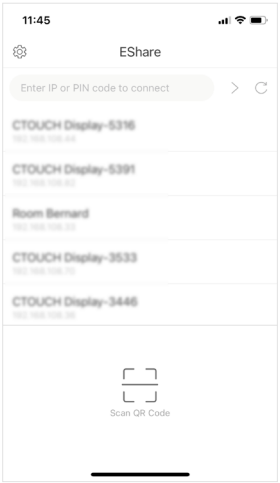
2.2.3 Connect mobile-device

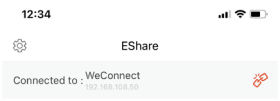
For mobile devices it is much easier to connect to your CTOUCH-screen.

- **Open the EShare-App.**

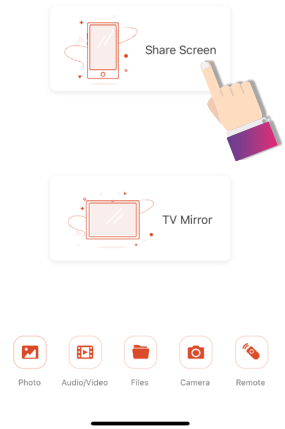
- Click on Scan QR Code.

- Scan the QR Code which is displayed on the CTOUCH-screen you want to connect with.

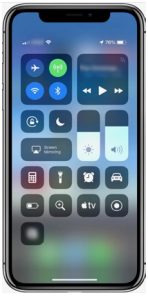




- Click on Share Screen to share your Mobile-device-screen to the CTOUCH-screen.



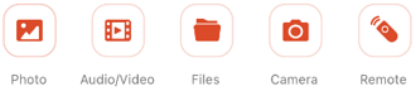
For Iphone: swipe down from the upper-right corner to reveal the Control Center.



Click on Screen Mirroring.

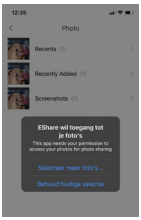
Or:

You can select one of the available content-sources: Photo, Audio/ Video, Files or Camera.



Click on Photo.

Give EShare permission to use the Photo-library on your Mobile-device.

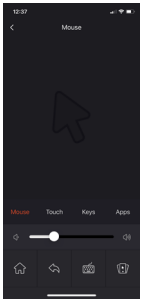


With the Play button a slide-show will appear.

With the selection for Camera your camera will be activated and directly streamed to your CTOUCH-screen.

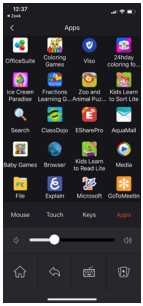
You can either select your front- or rear-camera.

One of the cooler features is the function Remote.



- **Click on Remote to enter the Mouse-function. You can now move the Mouse-pointer which is shown on the CTOUCH-screen.**

- **With a click on Home you will open the home-screen of the CTOUCH.**



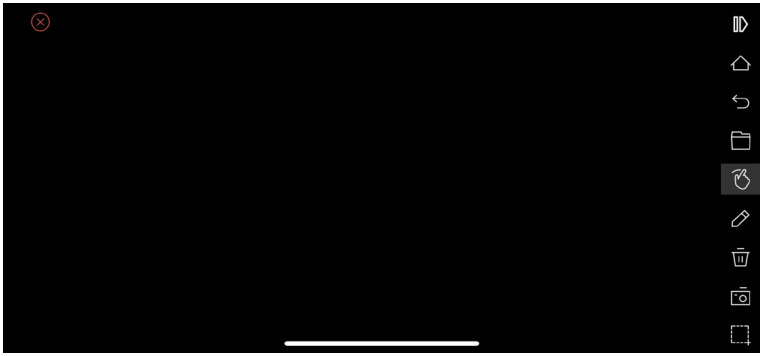
- **Click on Apps to display all the available Apps on your CTOUCH-screen.**
- **Click on an App to open the App.**

2.3. TV-mirror (CTOUCH to devices)

Within the client App from EShare it is possible to choose for the option TV Mirror.
Once this option is selected, the content shown on the CTOUCH-screen will be streamed to your device.

Depending on your Operating System it is possible to annotate on top of the CTOUCH-content.

Your annotations will be visible for all other user.
The tools on the right of the image below shows all possible features on an Iphone.

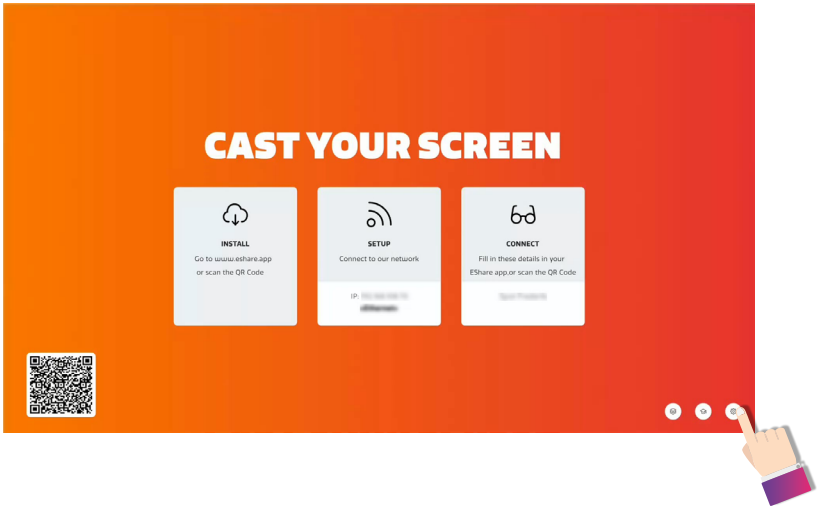


3. Settings

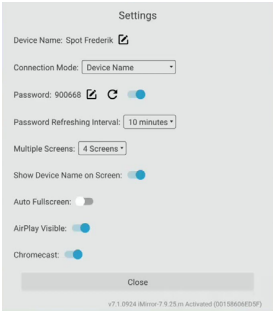
Within the software a settings-menu is available.
Within this settings-menu you can configure EShare to your preferences.

3.1 Opening the settings-menu

- **Open the App EShare.**
- **In case of a 5-minutes Trial version; click on Trial to start.**
- **Click on the settings-menu in the bottom-right corner to open the settings-menu.**



The settings-menu will open.

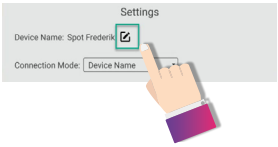


- **To close the settings-menu, click on Close.**

3.2 Device name

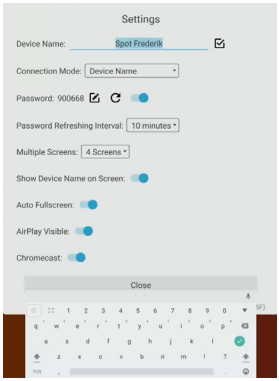
The standard device name can be changed.
In our situation the Device name is Spot Frederik.
We are about to change that name.

- **Open the settings-menu.**



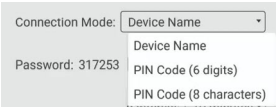
- **Click on the edit-icon.**

The on-screen keyboard appears.
The current name is already selected.



- **Use the on-screen keyboard to enter the name you require (e.g. the name of the room).**
- **When done, press the check-button on the on-screen keyboard or the check-button behind the device name.**

3.3 Connection Mode



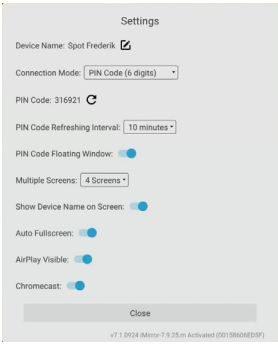
Other devices can connect with the CTOUCH using the EShare-App.
The CTOUCH-screen allows connections with 1 of the 3 connection options:

- Device Name
- PIN Code (6 digits)
- PIN Code (8 characters)

Users can connect to the CTOUCH with their own device on which the EShare-App should be installed.

If Device Name is selected at Connection Mode, then you just need to select the name of the screen you want to use. However, if you have chosen to use a PIN Code, it is necessary to use the code which can be shown on the CTOUCH screen (see next chapter).

3.4 PIN Code

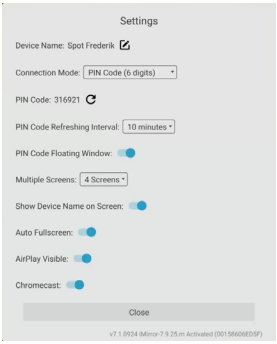


Screen sharing can be protected either with a 6-digit PIN Code or an 8-characters PIN Code.

To protect the screen sharing with a 6-digit PIN code, select the connection mode PIN Code (6 digits).

- Open the settings-menu
- Click on the dropdown menu Connection Mode.
- Select PIN Code (6 digits).

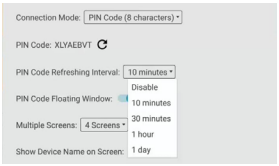
An automatically generated PIN is immediately displayed in the top right corner.



By default, the option 'PIN Code Floating Window' is on.

This floating menu can be moved - by clicking and dragging - along the top edge of the screen.
In the same way you can choose a pin code with 8 characters.

By default, the PIN Code is renewed after 10 minutes. This setting can be adjusted to one of the available options.



- **Open the settings-menu**
- **Click on the dropdown menu PIN Code Refreshing Interval.**
- **Select one of the available options.**

By default, the option 'PIN Code Floating Window' is on.
This setting can be changed to disable within the settings-menu.

- **Open the settings-menu.**
- **Click on the on-off switch to disable the PIN Code Floating Window.**

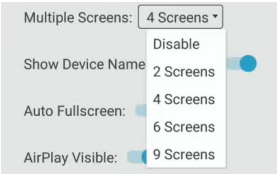
Note: the CTOUCH-screen is still protected with a PIN Code. To make the PIN Code visible, you must open the settings-menu.

3.5 Multiple screens

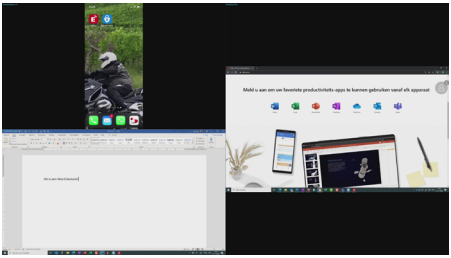
Multiple client device screens can be shared to the CTOUCH at the same time and the screen of the CTOUCH will be split automatically.

Within the settings-menu you can set the maximum amount of users that can be displayed simultaneously on the screen.

- **Open the settings-menu.**
- **Click on the dropdown menu Multiple Screens.**
- **Select one of the available options.**



Please take a look at the overview to see the functionalities of the different Operating Systems (see chapter 1.3).



3.6 Other Settings

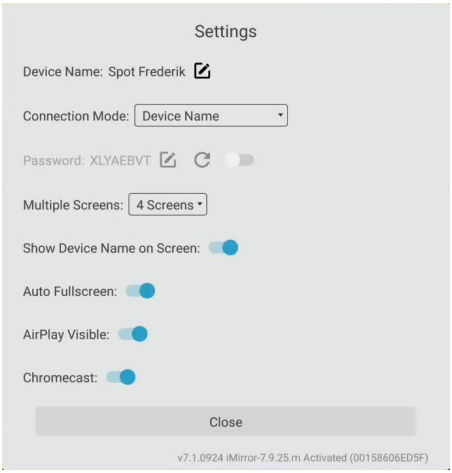
The following settings are also available within the settings-menu:

- Show Device Name on screen (On or Off).
- Auto Fullscreen (On or Off)
- AirPlay Visible (On or Off).).
- Chromecast (On or Off).

Note: Chromecast does not have the function to ask for a PIN-code and will connect immediately.

To prevent users to connect automatically, please change the moderator-settings to Need authorization. See chapter 3.7

Show Device Name on screen (On or Off).
This option allows you to enable or disable the visibility of the name on the CTOUCH screen.



Auto Fullscreen (On or Off).
This option enables you to display a connected device in full-screen mode.

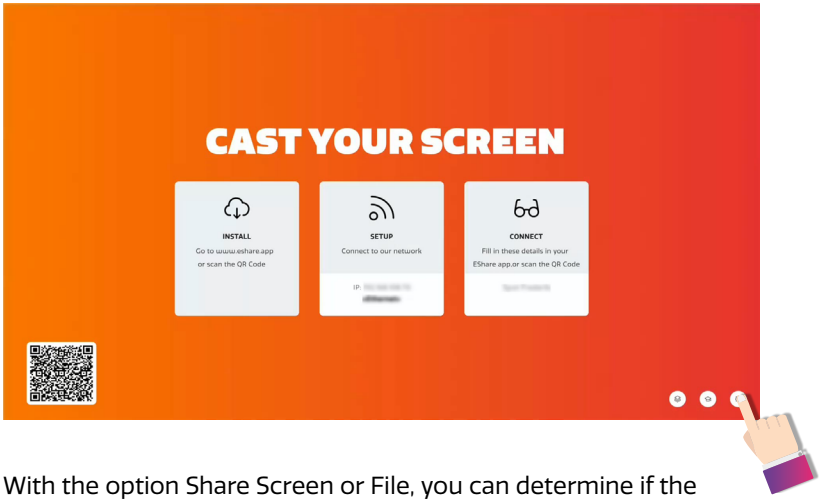
AirPlay Visible (On or Off).
This option allows you to enable or disable the visibility of the CTOUCH screen for AirPlay users.

Chromecast (On or Off).
This option allows you to enable or disable the visibility of the CTOUCH screen for Chromecast users.

3.7 Moderator settings

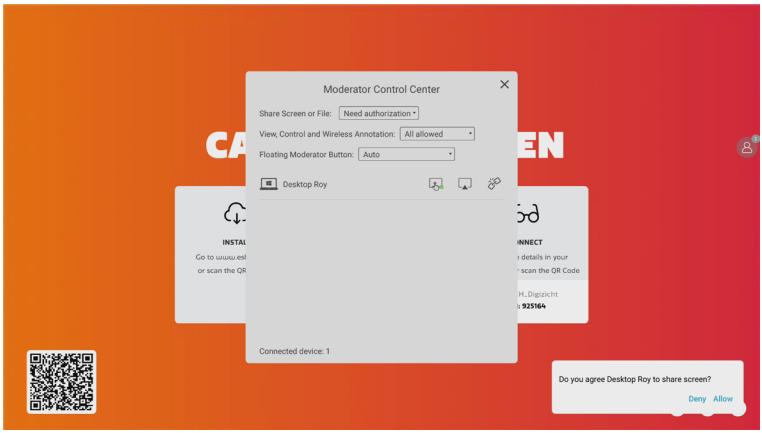
The function Moderator settings has several advantages.

Click on the Moderator settings.



With the option Share Screen or File, you can determine if the users can share their screen or file to the CTOUCH screen. You can also select the option Need authorization.

With the setting Need authorization selected you can give or deny permission to users who want to use the option Share Screen or File. On the screen the message Allow or Deny appears when a user wants to share their screen or file.



For the function TV Mirror (chapter 2.3) you can also select the option to Allow or Deny users to use all of the available functionalities.

For devices which are connected, you can select the options View, Control and Wireless Annotation.

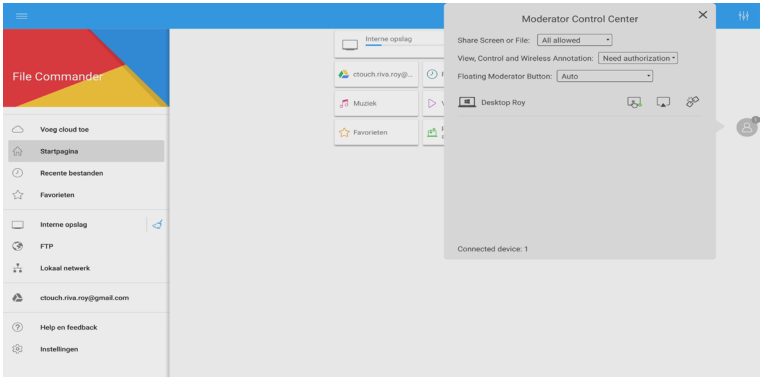
Click on the dropdown menu and select the option All allowed to let users connect.

Share, inspire, have fun!
With CTOUCH by your side.

Floating Moderator Button.
You can select if the floating Moderator button is available on the CTOUCH screen.

The setting by default is Always display.
With the option Disable the Moderator button does not show on the screen.

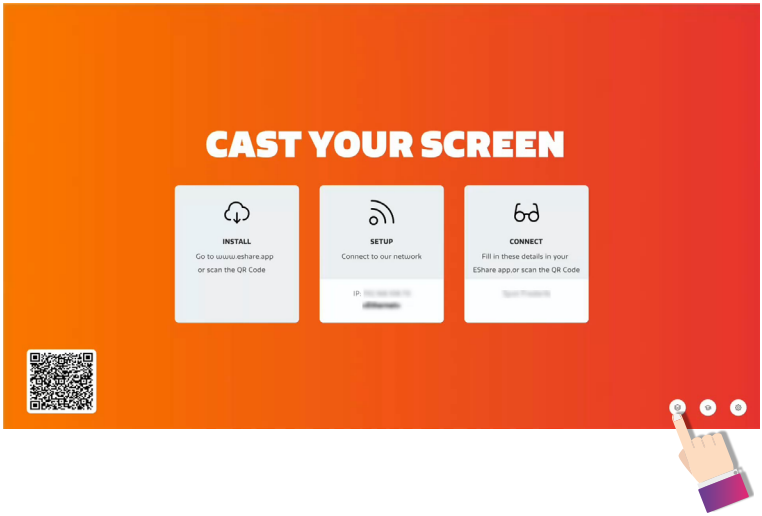
With the option Auto the Moderator button only pops up when a user is connected to the screen.



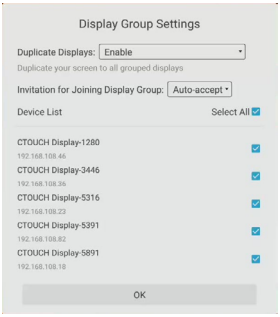
3.8 Group Settings

Multiple CTOUCH Riva-screens can be linked with screen sharing as well. This allows you to cast the content of one CTOUCH Riva-screen to multiple other CTOUCH Riva-screens. The CTOUCH Riva-screens you want to cast to need to be in the same network.

Click on Group Settings.



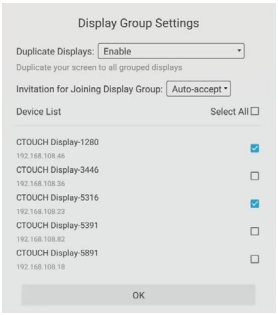
The Group Settings will open.



In the Device List other CTOUCH-screens in the same network which have EShare installed will appear.

- **Select the CTOUCH screens with which you wish to form a group.**
- **Click on the checkbox behind a CTOUCH screen to select the specific screen.**
- **Click on OK to save the Group.**

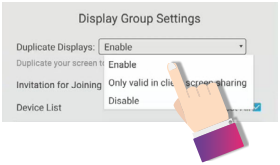
By default the Invitation for Joining Display Group is set to Auto-accept.



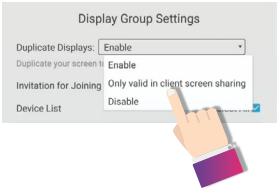
With the drop-down menu you can either select Notify me or Disable.

Please take note: only the image of the screen will be broadcasted. Audio and Touch are not yet supported.

- **Click OK to start sharing your screen to the selected CTOUCH Riva-screens.**

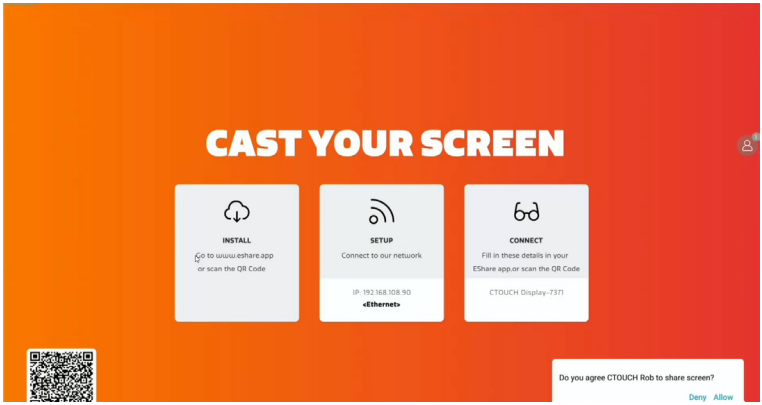


With the option 'Only valid in client screen sharing' only computers with the EShare-App can broadcast to the connected screens.



With the setting 'Invitation for Joining' you can determine if a pop-up with the request for permission appears on the screen.

On the receiving CTOUCH-screens a user can either select Allow or Deny.



Epilogue

Now you can get started even better with your CTOUCH-screen.

Hopefully we have delivered on our promise; with the help of this ultramodern screen you are able to work (together) more easily, simply and more user-friendly.

And if you have any questions: our Academy is ready for you!
Have fun with CTOUCH!

CTOUCH Academy

E-mail: academy@ctouch.eu

Website: academy.ctouch.eu

Telefoon: + 31 (0)40 261 8320

Price: € 9,99
1633V210330 EN

ctouch.eu