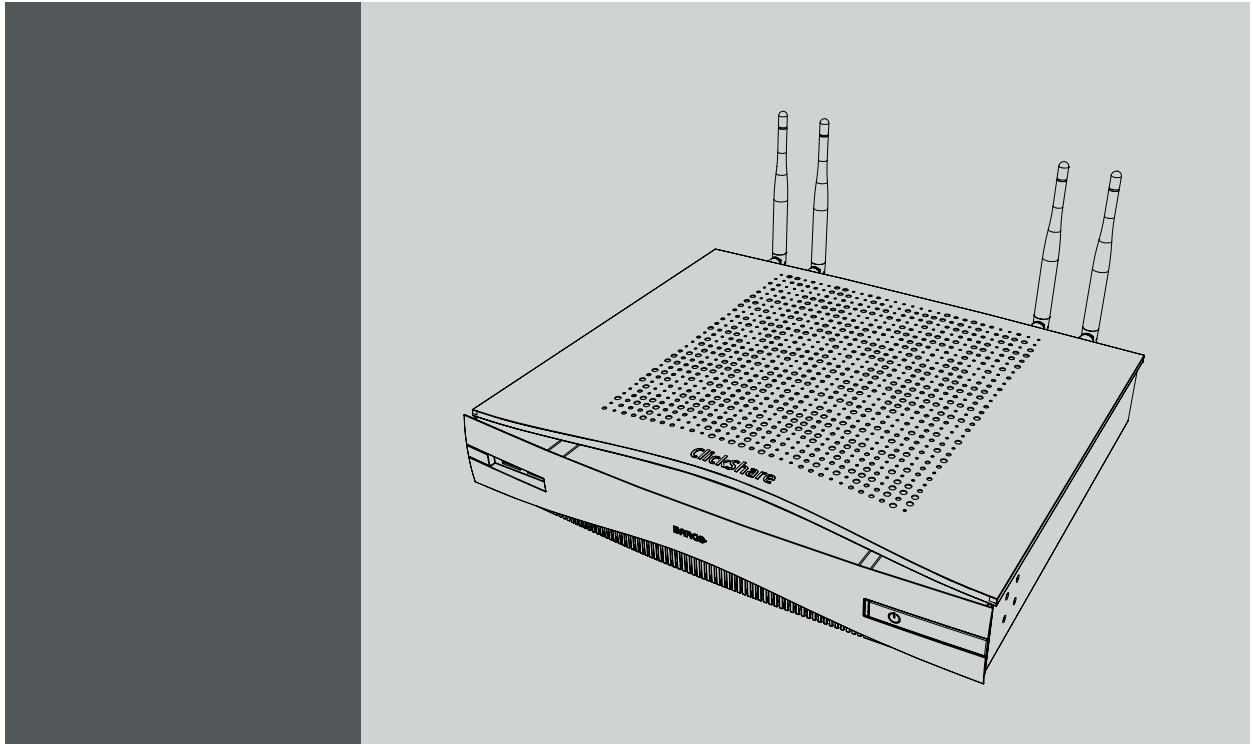


ClickShare CSE-800



User guide

Barco NV

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Support: www.barco.com/en/support

Visit us at the web: www.barco.com

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Support: www.barco.com/en/support

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- Details about the connection to Barco (such as but not limited to the first connection, last connection, # of attempts, IP address of the device, ...)
- The functionality of the products which are connected through the Software, and/or
- As otherwise provided by you.

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fakeroot	http://www.gnu.org/licenses/gpl.html
linux	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
gmp	http://www.gnu.org/licenses/lgpl.html
iproute2	http://www.gnu.org/licenses/gpl.html
kobs-ng	http://www.gnu.org/licenses/gpl.html
rsync (<3.0.0)	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
rsync (>=3.0.0)	http://www.gnu.org/licenses/gpl.html
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Crypto++	http://www.cryptopp.com/License.txt
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libjpeg-turbo	http://opensource.org/licenses/BSD-3-Clause
acpid	http://www.gnu.org/licenses/gpl.html
avahi	http://www.gnu.org/licenses/lgpl.html
crda	http://opensource.org/licenses/ISC
cron	http://opensource.org/licenses/ISC
dbus	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
dhcpcd	http://opensource.org/licenses/ISC
dmidecode	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
e2fsprogs	http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html
eglibc	http://www.gnu.org/licenses/lgpl.html
ethtool	http://www.gnu.org/licenses/gpl.html
gdbserver	http://www.gnu.org/licenses/gpl.html
grub	http://www.gnu.org/licenses/gpl.html
gststreamer	http://www.gnu.org/licenses/gpl.html
hdparm	http://opensource.org/licenses/BSD-3-Clause
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i2c-tools	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html

iftop	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
iperf	http://opensource.org/licenses/BSD-3-Clause
iptables	http://opensource.org/licenses/BSD-3-Clause
iw	http://opensource.org/licenses/BSD-3-Clause
acl	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
attr	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
libcap2	http://www.gnu.org/licenses/gpl.html
libdaemon0	http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html
libdrm2	http://opensource.org/licenses/MIT
libexpat1	http://opensource.org/licenses/MIT
libfontconfig1	http://opensource.org/licenses/BSD-3-Clause
libfontenc1	http://opensource.org/licenses/BSD-3-Clause
freetype	http://freetype.sourceforge.net/FTL.TXT http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
libgcc1	http://www.gnu.org/licenses/gpl.html
libgcrypt11	http://www.gnu.org/licenses/gpl.html http://www.gnu.org/licenses/lgpl.html http://www.gnu.org/copyleft/fdl.html
libglib-2	http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html
libgnutls26	http://www.gnu.org/licenses/lgpl.html
libgpg-error0	http://www.gnu.org/licenses/gpl.html http://www.gnu.org/licenses/lgpl.html http://www.gnu.org/copyleft/fdl.html
libjpeg8	BSD like licensee
libnl2	http://www.gnu.org/licenses/lgpl.html
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libpcre0	http://opensource.org/licenses/BSD-3-Clause
libpixman-1-0	http://changelogs.ubuntu.com/changelogs/pool/main/p/pixman/pixman_0.10.0-0ubuntu1/libpixman-1-0.copyright
libpng12-0	http://www.libpng.org/pub/png/src/libpng-LICENSE.txt
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monit	http://www.gnu.org/licenses/gpl.html
ncurses	http://opensource.org/licenses/MIT
netbase	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
openssh-sftp-server	http://opensource.org/licenses/BSD-3-Clause
openssl	http://www.openssl.org/source/license.html
opkg	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
pciutils	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
perl	http://perldoc.perl.org/perlartistic.html http://www.gnu.org/licenses/old-licenses/gpl-1.0.html
php	http://www.php.net/license/3_01.txt
procps	http://www.gnu.org/licenses/gpl.html
read-edid	Free license
rgb	
rockbox-imxtools	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
rsyslog	http://www.gnu.org/licenses/gpl.html
splashutils	http://www.gnu.org/licenses/gpl.html
strace	http://opensource.org/licenses/BSD-3-Clause
sysfsutils	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
sysvinit	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
tcpdump	http://opensource.org/licenses/BSD-3-Clause
ttf-arphic-uming	
ttf-dejavu-common	
ttf-dejavu-sans-mono	

ttf-dejavu-sans	
ttf-sazanami-gothic	
ttf-sazanami-mincho	
ttf-un-fonts	
udev	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
update-modules	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
update-rc	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
usbutils	http://www.gnu.org/licenses/old-licenses/gpl-2.0.html
util-linux-ng	http://www.gnu.org/licenses/gpl.html
xserver-xorg	http://opensource.org/licenses/MIT
zeroconf	http://www.gnu.org/licenses/gpl.html

EN55032-CISPR32 Class B ITE (Information Technology Equipment)

This is a class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

If this equipment does cause interference to radio or television reception, the user may try to correct the interference by one or more of the following measures :

- Re-orientation of the receiving antenna for the radio or television.
- Relocate the equipment with respect to the receiver.
- Plug the equipment into a different outlet so that the equipment and receiver are on different branch circuits.
- Fasten cables connectors to the equipment by mounting screws.

Federal Communication Commission Interference Statement

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You may also find helpful the following booklet, prepared by the FCC: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402.

Changes and Modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commissions rules.

In order to maintain compliance with FCC regulations shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio & television reception.

FCC RF Radiation Exposure Statement: This device is capable of operating in 802.11a mode. For 802.11a devices operating in the frequency range of 5.15 - 5.25 GHz, they are restricted for indoor operations to reduce any potential harmful interference for Mobile Satellite Services (MSS) in the US. WIFI Access Points that are capable of allowing your device to operate in 802.11a mode (5.15 - 5.25 GHz band) are optimized for indoor use only. If your WIFI network is capable of operating in this mode, please restrict your WIFI use indoors to not violate federal regulations to protect Mobile Satellite Services.

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Base Unit FCC ID: 2AAED-R9861580

Button FCC ID (model R9861006D01): XF6-RS9110N1103

Button FCC ID (model R9861500D01): 2AAED-R9861500D01

ClickShare Button R9861500D01 has been tested and meets the FCC RF exposure guidelines. The maximum SAR value reported is 0.915W/kg.

Canada, Industry Canada (IC) Notices

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Radio Frequency (RF) Exposure Information

The radiated output power of the Barco Wireless Device is below the Industry Canada (IC) radio frequency exposure limits. The Barco Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.

Caution: Exposure to Radio Frequency Radiation.

1. To comply with the Canadian RF exposure compliance requirements, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.
2. To comply with RSS 102 RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.

Base Unit IC ID: IC: 21559-R9861580

Button IC ID (model R9861006D01): 8407A-RS9110N1103

Button IC ID (model R9861500D01): 9393B-R9861500D01

IC Antenna statement

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This radio transmitter 21559-R9861580 has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Type: Dipole

Maximum Peak Gain: 2 dBi

Impedance: 50 Ohm

Indoor use only warning

Operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

Canada, avis d'Industry Canada (IC)

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Informations concernant l'exposition aux fréquences radio (RF)

La puissance de sortie émise par l'appareil de sans fil Barco est inférieure à la limite d'exposition aux fréquences radio d'Industry Canada (IC). Utilisez l'appareil de sans fil Barco de façon à minimiser les contacts humains lors du fonctionnement normal.

Avertissement: L'exposition aux rayonnements fréquences radio

1. Pour se conformer aux exigences de conformité RF canadienne l'exposition, cet appareil et son antenne ne doivent pas être co-localisés ou fonctionnant en conjonction avec une autre antenne ou transmetteur.
2. Pour se conformer aux exigences de conformité CNR 102 RF exposition, une distance de séparation d'au moins 20 cm doit être maintenue entre l'antenne de cet appareil et toutes les personnes.

IC ID Unité de Base: 21559-R9861580

IC ID Button (modèle R9861006D01): 8407A-RS9110N1103

IC ID Button (modèle R9861500D01): 9393B-R9861500D01

Déclaration d'antenne d'Industrie Canada (IC)

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Le présent émetteur radio 21559-R9861580 a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

Type: Dipole

Gain maximum: 2 dBi

Impédance: 50 Ohm

Utilisation à l'intérieur seulement

La bande 5 150-5 250 MHz est réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

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1. INTRODUCTION

Overview

- Versions of the product
- About this guide
- Symbols and fonts

1.1 Versions of the product

Regional versions

Depending on the location where you buy the CSE-800 product, the Base Unit and accessories are regionalized. By the time of release of this manual, 3 regional versions of CSE-800 are available:

- Europe & Japan
- North America
- China



The regional version of your CSE-800 cannot be changed. That means that you cannot use it in another region.

For more information on the regional variants, refer to the CSE-800 Installation Guide.

1.2 About this guide

This manual

Partnumber	Description	Level
R5900050	User Guide	User

Available System documentation

This guide is part of the documentation set describing the CSE-800 product.

Guide	Article number
User Guide	R5900050
Installation Guide	R5900049
Safety Guide	R5900047
Service Guide	R5900051
Button Guide	R5900007
Recycling Manual	R5900048
API Guide	R5900018

A printed copy of the Safety Guide is included in the CSE-800 box at purchase.



Always check for the latest version of the manual on www.barco.com/clickshare Click on Visit the ClickShare product page and go to tab Downloads..



Depending on the CSE-800 version, some graphics might be different to the ones used in this manual. This however does not have any effect to the functionality.

The User Guide describes how to use your CSE-800. It also contains a basic troubleshooting part where you can search for a solution when a problem occurs.

1.3 Symbols and fonts

Symbol overview

The following icons are used in the manual :

	Caution
	Warning
	Info, term definition. General info about the term
	Note: gives extra information about the described subject
	Tip: gives extra advice about the described subject

Font overview

- Buttons are indicated in **bold**, e.g. **OK**.
- Menu items are indicated in *italic*.
- Step related notes, tips, warnings or cautions are printed in *italic*.
- Procedure related notes, tips, warnings or cautions are printed in **bold** between 2 lines preceded by the corresponding icon.

2. INTRODUCTION TO CSE-800

Overview

- About the CSE-800
- About the Base Unit
- About the Button
- Mobile Device Support

2.1 About the CSE-800

CSE-800 sets

CSE-800 makes connecting to the meeting room's video system a matter of clicking a Button. This CSE-800 not only helps the presenter get the presentation on-screen in a second, but it also allows the other people in the meeting to participate more actively. The result is enhanced meeting efficiency and better decision-making.

At the moment 3 different sets are available on the market. Each set is sold in its specific region and it can only be used in that specific region because of WiFi regulations.

Components CSE-800 set

A standard CSE-800 set consists of a Base Unit, 4 Buttons and a Tray. Depending on the location where you buy the product, the software of the Base Unit is different. If needed, you can buy additional Buttons and Trays.

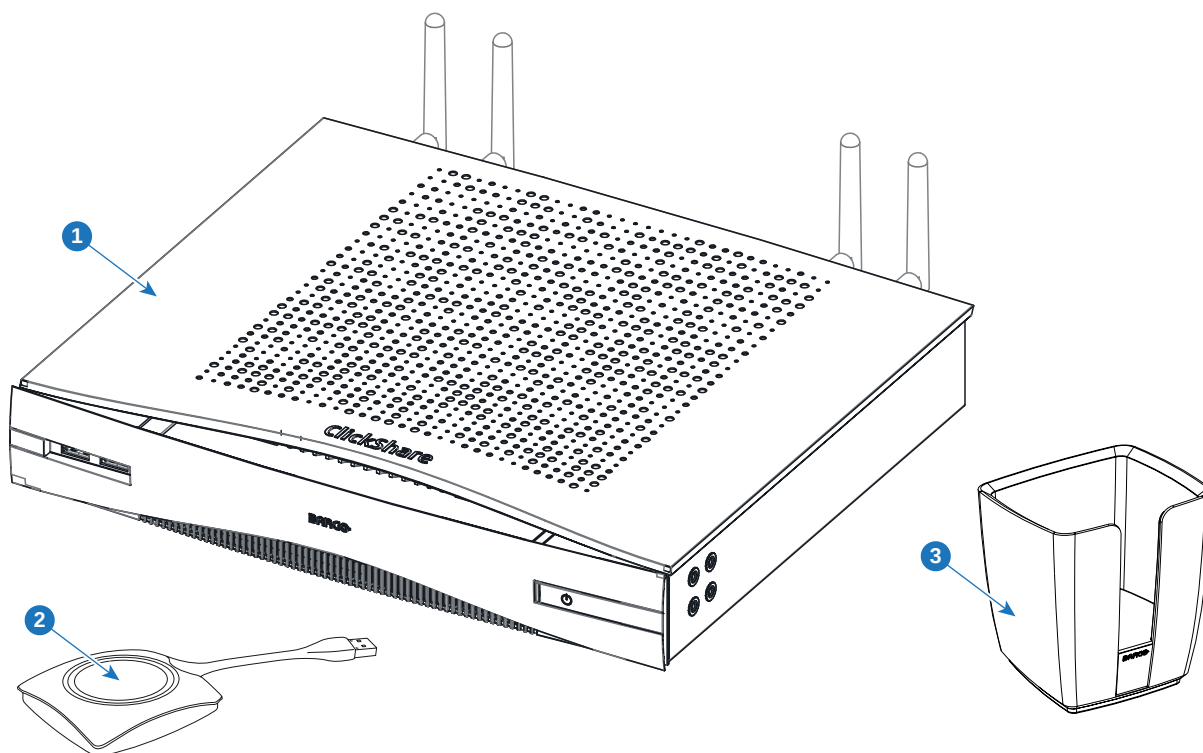


Image 2-1

Accessories included

Depending on the country where you buy the product, the following regionalized accessories are also included in the CSE-800 box.

Regional version	Contains	Accessories included
R9861580EU	• R9861580EU • 4x R9861500D01 • R9861500T01	• power cables CEE7 and BS 1363 • wall/ceiling mounting brackets • antenna extension cables

Regional version	Contains	Accessories included
R9861580CN	- R9861580CN 4x R9861500D01 - R9861500T01	- power cable GB 2099 - wall/ceiling mounting brackets - antenna extension cables
R9861580NA	- R9861580NA 4x R9861500D01 - R9861500T01	- power cable NEMA 5/15 - wall/ceiling mounting brackets - antenna extension cables

Contact your local sales representative for the correct regional variant to be used in your country.

2.2 About the Base Unit



Base Unit

The Base Unit receives the wireless input from the Buttons and controls the content of the meeting room display and the sound of the meeting room's audio system.

The Base Unit can be installed in two different ways.

Front and Top layout of the Base Unit

At the front of the Base Unit you can find a standby button and two USB ports. Status LED is mounted at the left of the standby button.

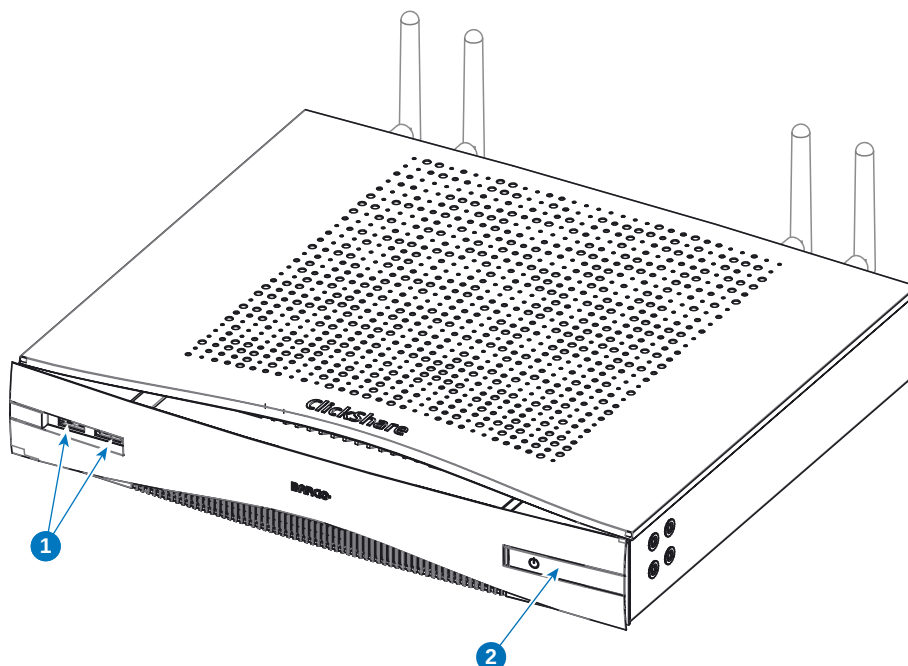


Image 2-2

1	2x USB port 3.0
2	Standby button

Table 2-2

USB ports

The USB ports (front or back) are used to update the soft- and firmware of both the Base Unit and the Buttons. To pair the buttons, connect the touchscreen and saving blackboarding/annotation screen to USB stick¹.

When plugging in the Button into the Base Unit, the Button is paired to the Base Unit. The Base Unit checks whether the Button's software and firmware are up to date. If not, the Base Unit updates the software and/or firmware.

¹. touchscreen connection, blackboarding/annotation screen saving will be available in future releases

To update the Base Unit software, download the latest version of the software from the Barco website. Copy the file on a USB stick and plug it into the USB port of the Base Unit. Follow the progress and instructions on the display.

Status LED

The color of the LED at the front of the Base Unit give information on the status of the system.

LEDs behavior	Explanation
static red	- receiving content from the Buttons and streaming towards the display. - pairing and software update of the Button is done. You can now unplug the Button from the Base Unit. - during the first phase of the Base Unit boot process.
blinking white	- system is starting up (during the second phase) - Button pairing is in progress - software update of the Base Unit
breathing white	ECO standby mode
static white	- awake and ready (i.e. showing the welcome message on the display) - pairing is done
red blinking	an error occurred
dark	deep standby/off

Standby button

The button at the front of the Base Unit has a standby function once the Base unit is powered

- When the system is in normal operational mode, a push makes the system goes to a pre-defined standby mode.
- When the system is in a standby mode, a push triggers the system to start up and to go to normal operational mode.

Back layout of the Base Unit

The connection panel is situated at the back of the Base unit.

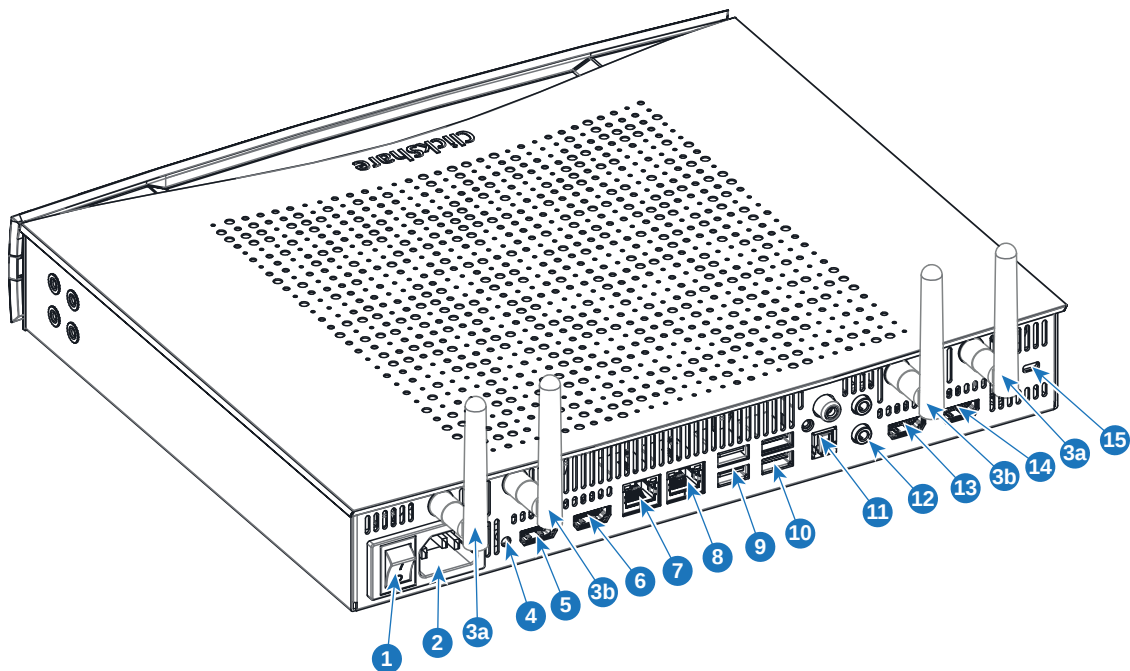


Image 2-3

1	Rocker switch
2	Power connection
3a	Fixture point for antenna WiFi 1

3b	Fixture point for antenna WiFi 2
4	Reset
5	HDMI out 1 connector
6	HDMI out 2 connector
7	LAN 1 connector (primary LAN interface)
8	LAN 2 connector (secondary LAN interface)
9	USB connectors 3.0
10	USB connectors 2.0
11	Audio connectors
12	Audio connectors
13	HDMI in 1 connector
14	HDMI in 2 connector
15	Kensington lock

Rocker switch

The rocker switch is used to power on and off the Base Unit.

- To switch on the Base Unit, set the rocker switch to "I".
- To shut down the system, set the rocker switch to "0".

Mechanical fixture points

The mechanical fixture points are located at the bottom of the Base Unit

Antenna

Four antennas are included in the CSE-800 box for concurrent dual band WiFi. To avoid damage during transport, they are not pre-mounted.

The antennas can rotate for a better wireless connection.

Usage of antennas other than the ones provided with the unit are allowed within the restrictions on usage of other antennas defined by local regulations. Barco does not take responsibility for damage or disturbance of other devices that may be caused by using a different antenna. The use of an active power amplifier is not allowed.

Antenna type : Dipole

Gain : Maximum 2 dBi peak gain in 2.4GHz and 5Ghz band

Ventilation grids

Ventilation grids are foreseen on the front side and on the back sides of the Base Unit.

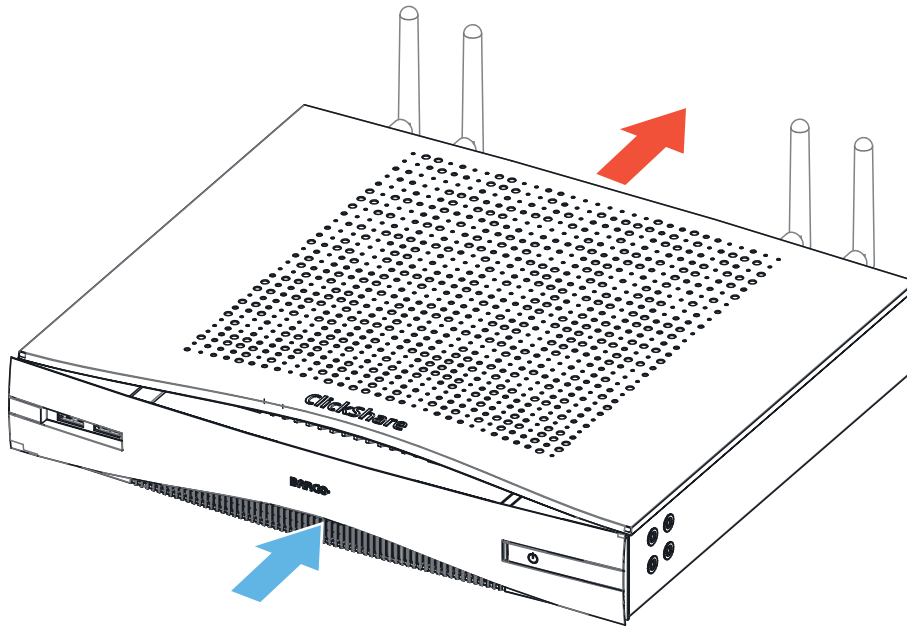


Image 2-4
Ventilation grids IN and OUT

The Base unit sucks air via the front side ventilation grid and push hot air out on the back side ventilation grid.



Make sure not to cover the ventilation grids during operation of the Base Unit. Always keep a free area of minimum 50 mm in front of all ventilation grids.

Bottom layout of the Base Unit

The serial number label containing the Barco part number, the revision number, production date (week-year) and the serial number.

The product label with the applicable certification logos.

The product label contains:

- the Barco logo
- the product name
- the Barco part number
- the power rating
- markings for applicable standards (CE, CCC, UL, ...)
- markings for waste regulation
- "Made in ..."

2.3 About the Button



Button

A Button toggles the sharing of the individual PC or MAC screen on the meeting screen.

Button layout

A Button consists of three main components.

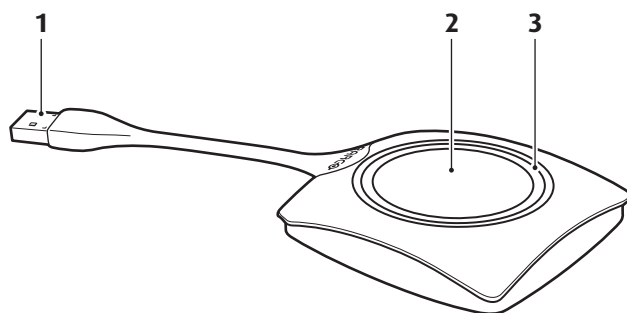


Image 2-5
Button layout

1	USB connector
2	Button
3	LED ring

Table 2-5

USB connector

Using the USB connector the Button can be plugged into a laptop (for sharing your screen) or the Base Unit (for pairing the Button to the Base Unit or updating its software).

Button

Click the Button to display the content of the laptop's screen on the meeting room display. Clicking the Button during the meeting will toggle the sharing of the screen.

LED ring

The LED ring indicates the current status of your ClickShare.

LEDs behavior	Explanation
white blinking	- the Button is plugged in the laptop and initializing or waiting for the user to start the ClickShare application. - pairing/software update of the Button in the Base Unit is in progress.
static white	- ClickShare is ready to start sharing your screen. - pairing is done. You can now unplug the Button from the Base Unit.
static red	- sharing your screen with the display. - pairing and software update is done. You can now unplug the Button from the Base Unit.
red blinking	an error occurred.
off (no light)	- the Button is not or not properly inserted into the USB port. - the Button might be defective. - the USB port or computer might be defective.

Button label

The label at the bottom of the Button contains:

- the Barco logo
- the Barco part number
- the serial number
- the revision number
- markings for applicable standards
- markings for waste regulation
- "Made in..."



Handle the Button cable with care. Rough handling might cause defects.

2.4 Mobile Device Support

Overview

The below list of Apps are supported by ClickShare and can be installed on your mobile device from Google Play or Apple App Store.

Before you can use your mobile device with ClickShare, you have to connect the mobile device Wi-Fi with the ClickShare Base Unit Wi-Fi. Follow the instructions as given in your mobile device user guide.

App	Used on	Logo
ClickShare App	iOS Android	

3. GETTING STARTED

3.1 Activating the Base Unit

About power mode

You can power on and off the Base Unit and bring the system in standby mode. In standby mode the system mutes the output signal to the displays. If your display supports this, it will automatically enter power saving mode.

Power on the Base Unit or awake it from standby

1. When the Base Unit is shut down, set the rocker switch at the back of the Base Unit to "I".

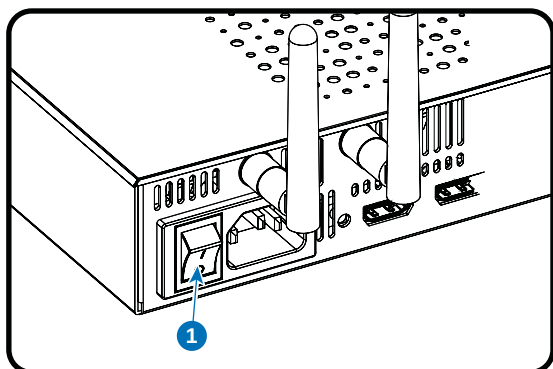


Image 3-1
Power switch

2. If the system does not start up automatically, push the standby button shortly.

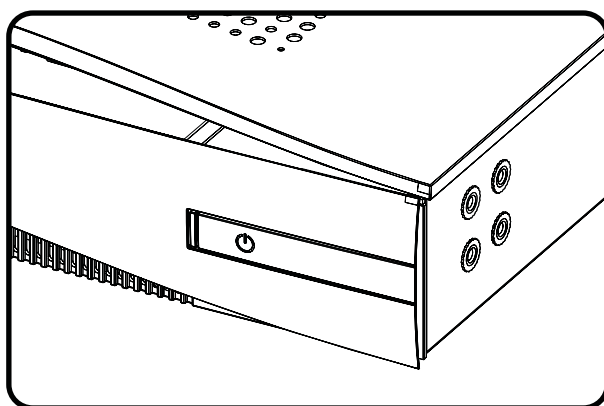


Image 3-2
Standby button

The system is now powered on.

Put the Base Unit in standby

1. Push the standby button shortly image 3-2.

To shut down the Base Unit

The Base Unit can be shut down in two ways :

1. Push the standby button until the Base Unit shuts down image 3-2.
2. Set the rocker switch at the back of the Base Unit to "0" image 3-1.

3. Getting started

3.2 Basic Use

Basic functionality

When entering a meeting room equipped with ClickShare and if the display is not in screensaver mode, the ClickShare wallpaper is shown on the display. The content of the wallpaper depends on the setup.

Starting to use ClickShare is now very simple.

To start using ClickShare

1. Take a Button and Insert the Button into a USB port of your laptop.

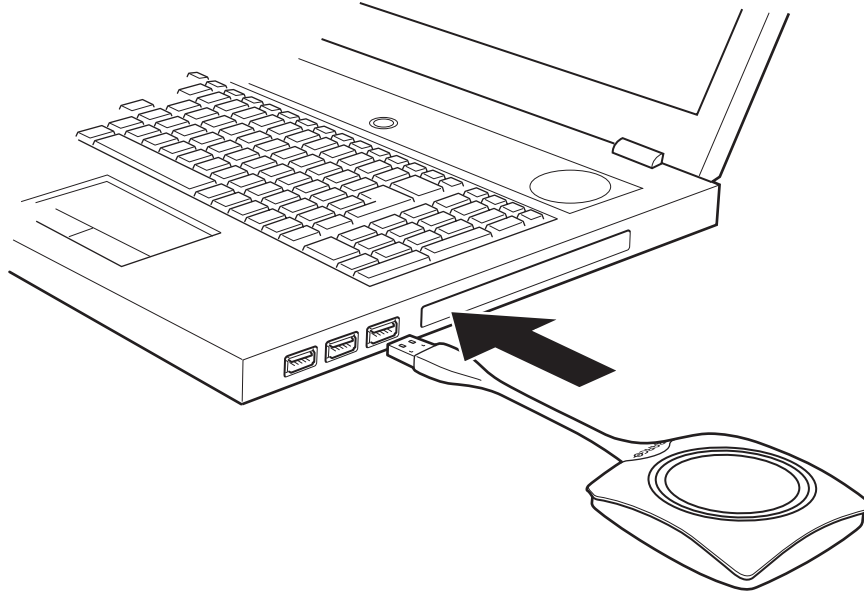


Image 3-3

The LEDs of the Button start flashing white.

On your laptop a new drive appears.

Two situations are possible now:

- A launcher is preinstalled on your laptop (downloaded from the Base Unit or Barco website, or deployed company-wide by your IT department). ClickShare is immediately available. You can continue with step 4.
- nothing is pre-installed. Continue with step 2.

2. Browse to and double-click the ClickShare drive on your laptop.

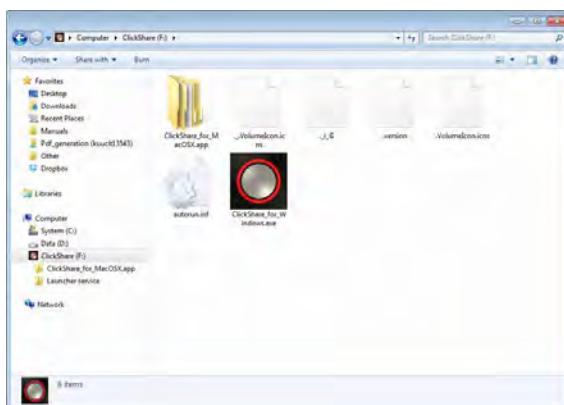


Image 3-4

Windows environment

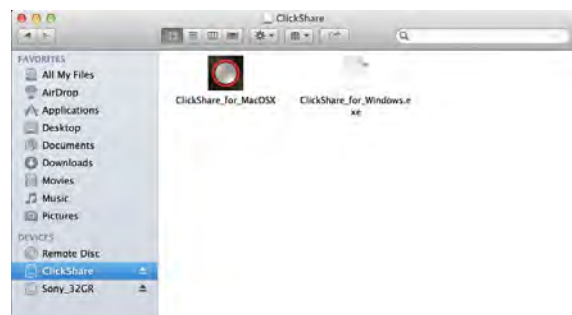
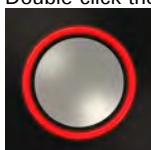


Image 3-5

MAC environment

3. Double-click the ClickShare application.



The ClickShare client software starts and its icon appears in the system tray.

On a Windows computer:



On a Macintosh:



When the system is ready for use, a message appears close to the systray icon.

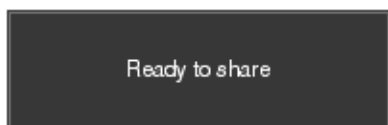


Image 3-6

The LEDs of the Button are static white.

4. To share your screen on the display, click the Button.

The LEDs of the Button become static red and your screen appears on the display. When audio is enabled on the ClickShare Base Unit, the audio of your laptop is also available on the audio output of the Base Unit and on the HDMI output, and it will be played via the meeting room audio system. The icon returns to the same state as in step 3.

In the system tray, the ClickShare icon starts rotating. On Windows computers the icon changes into .

The name of the user logged on to the laptop which is sharing its content is briefly shown in the bottom left corner of the added content.

ClickShare automatically scales the content of your screen to the resolution of the meeting room display. The aspect ratio of your screen is maintained to make sure the proportions are correct.

5. To remove your content from the display, click the Button again.

The LEDs of the Button become static white.

6. When leaving the meeting room, unplug the Button from your laptop.

No trace of the ClickShare application is left on your laptop.

3.3 Advanced Use

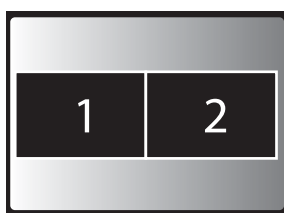
Advanced functionality

Depending on the display mode, ClickShare can show the content of up to four sources (clone mode) or up to eight source (extended mode) on the meeting room display(s) at the same time. A source can be a wireless source, via the a ClickShare Button or either an iPad or android device sharing via the ClickShare app, or HDMI input source. This means by clicking their Button, clicking the virtual button in the ClickShare app, four or eight persons in the meeting room can display their screens simultaneously. They appear as follows:

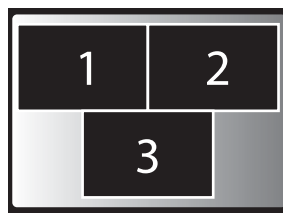
For a meeting room with a single display:



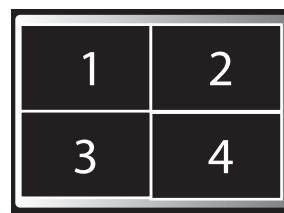
1 user



2 users



3 users



4 users

Image 3-7
Position on single display

For a meeting room with a dual display:

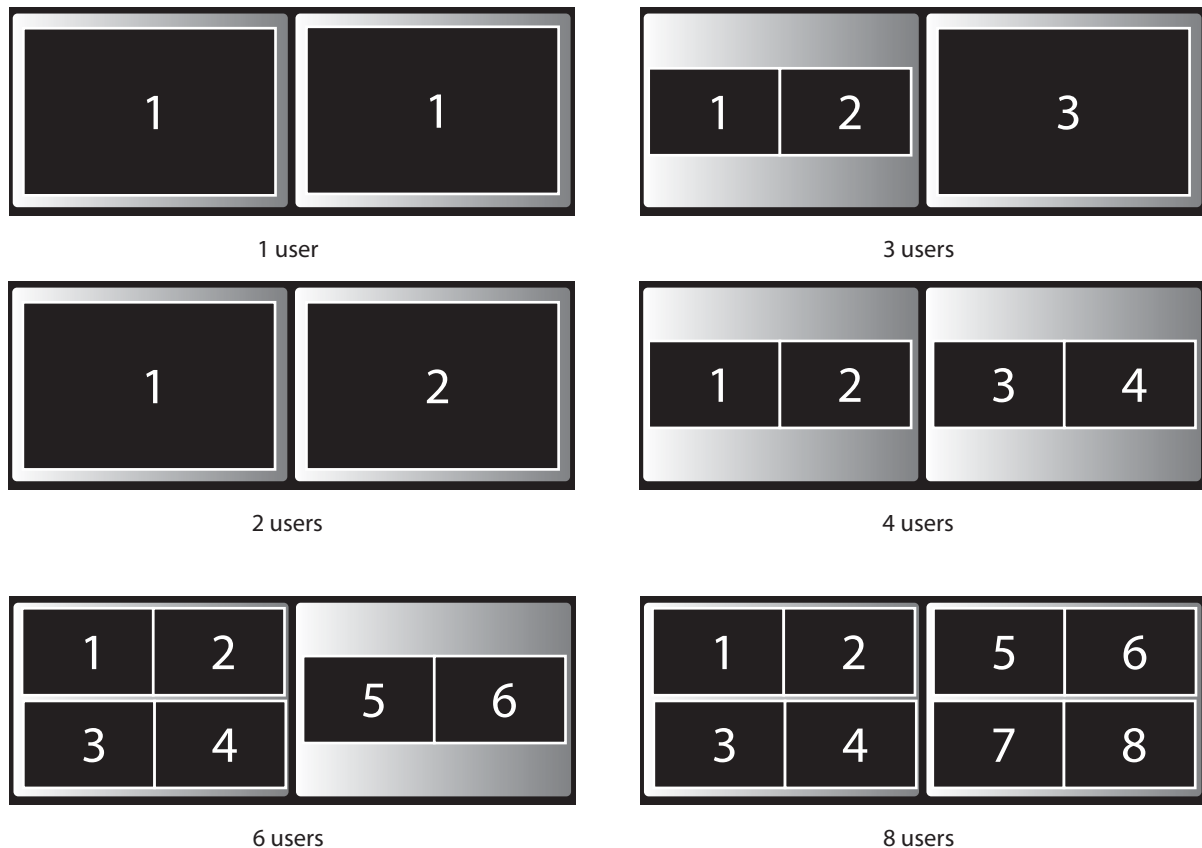


Image 3-8

When the display mode is set to clone, if you are the fifth user who wants to share his screen, you are blocked. A message appears on your screen telling you the maximum number of users being displayed simultaneously has been reached. You can decide to wait until one of the four users removes his content from the display or you can decide to show your content full screen. In that case, the four screens that were being displayed are removed and your screen is displayed full screen.

When the display mode is set to extended, if you are the ninth user, you are blocked. A message appears on your screen telling you the maximum number of users is reached. You have to wait until one of the other users removes his content or you display your content full screen removing all the others.

To show your content on the display full screen

1. Click and hold the Button for 2 seconds.

Your content is shown full screen on the display. If other persons were sharing their content on the display, their screens are removed. Their Button's LEDs are now shining white again.

Examples are showing the content for display mode set to clone.

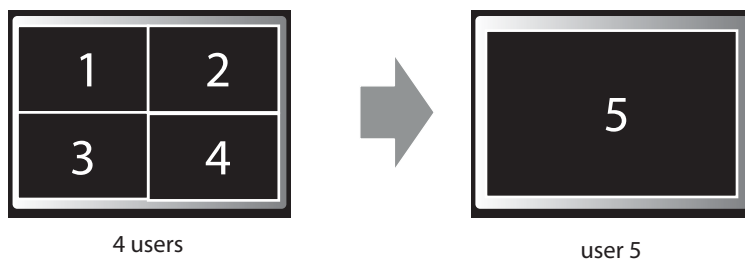


Image 3-9
Single display

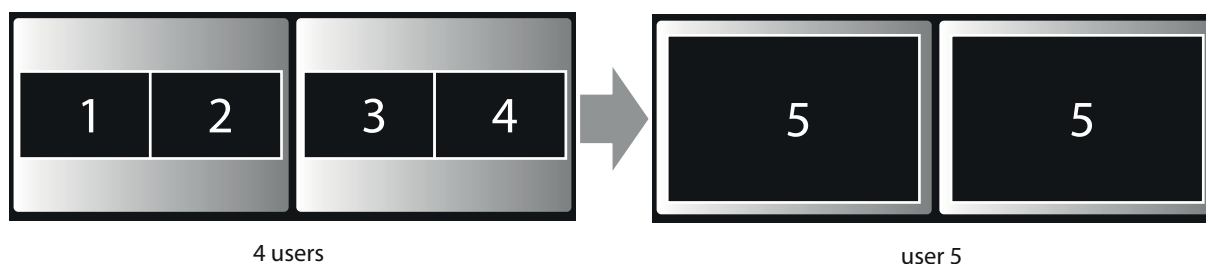


Image 3-10
Dual display



When you click again, your content is removed and the Base Unit shows the welcome screen again. The content of the previous users is not restored on the display.

3.4 User Interface

User Interface functionality

After launching the client, the ClickShare icon appears in the system tray.

ClickShare context menu

The content of the context menu is related to the operating system.

1. Right-click the ClickShare icon in the system tray.

The context menu appears.

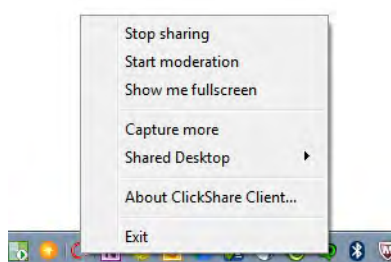


Image 3-11
Context menu

2. From the list, click the action you want to perform.

Click	To	Result
Start/stop sharing	to show your screen on the display.	The LEDs of your Button become red.
	to remove your screen from the display	The LEDs of your Button become white.
Start moderation	to moderate the displayed content	The selected content by the moderator is displayed.
Show me fullscreen	to bring the content of your screen on the display full screen.	The screens of other users that were shown on the display disappear.
Capture mode	to choose to capture video with more (slower performance) or less detail (faster performance).	Tune video performance and quality
Shared desktop (only for Windows7, Windows8 and Windows10)	to select primary or extended desktop	Depending on the selection the primary or the extended display is displayed.
About ClickShare Client	to find out the ClickShare software version.	Here you can find more information on the ClickShare software version.
Exit	to close ClickShare.	The ClickShare icon disappears from the system tray and the LEDs of the Button start blinking white.

3.5 Capture more



Only for Windows XP, Windows Vista and Windows 7 & 8.

About capture more

ClickShare is optimized for optimum video performance. Upon starting the client software it will disable Win7 Aero Glass to maximize video performance. Upon quitting the ClickShare applications your Aero Glass settings will be restored.

Transparent alpha layers are by default not captured. Therefore some windows may not be shown or may appear different on screen. For example content of video players using overlays will not be shown.

With "Capture More" selected, Win7 Aero Glass settings will be restored and capturing of alpha layers is enabled. In this mode, video throughput may decrease a bit and more details will be captured.

Default setting: Not checked.

How to change

1. Right click on the ClickShare icon in the system tray (1).

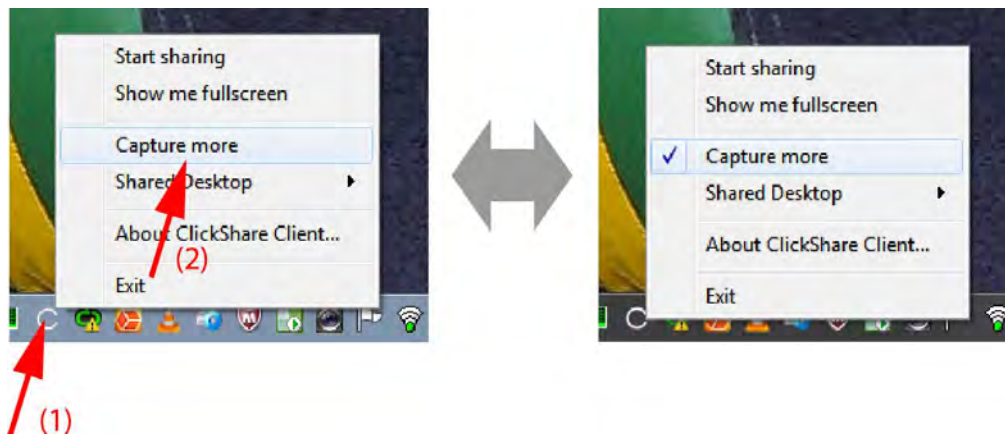


Image 3-12
Change capture mode

A context menu opens.

2. Click *Capture More* to toggle.

Checked: capture with more details but may have a lower performance.

Not checked: capture will be faster but may lose some of the details

Starting the client automatically in Capture More

The Capture more mode can be started by default so that the Aero Glass settings are not disabled. To do so, an environment variable should be introduced in your windows. Ask you administrator or consult your windows documentation to find out how to create.

The following variable should be introduced :

Variable	Value
CLICKSHARE_CAPTUREMOREBYDEFAULT	1

3.6 Shared desktop: primary - extended



Only for Window7 and Windows8

About shared desktop

Depending on your selection, your primary screen or your extended screen will be captured and displayed via ClickShare. That extended screen can be a physical screen or a virtual screen.

With extended desktop you can take advantage of both your laptop screen and the central meeting room display. Presentation notes or other material on primary screen will not be displayed to everyone.

PC with virtual extended screen:

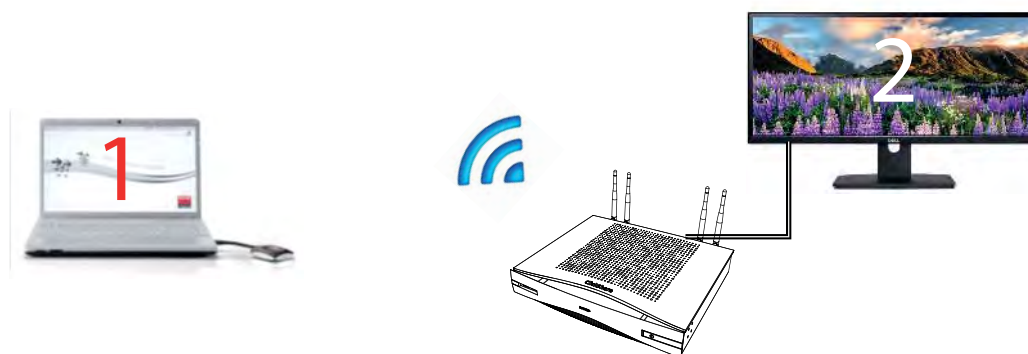


Image 3-13

Primary screen displayed on the PC, extended screen displayed on the meeting room display.



Image 3-14

PC with one extended screen connected. That extended screen will be captured and displayed on the meeting room display.



Image 3-15

PC with two extended screens connected. The first extended screen, screen 2 will always be captured and displayed on the meeting room display.

3. Getting started



To know if your system supports the extended desk top feature, press **Window key + P**. It should bring up the following pop-up on screen:



Image 3-16

How to select

1. Right click on the ClickShare icon in the system tray (1).

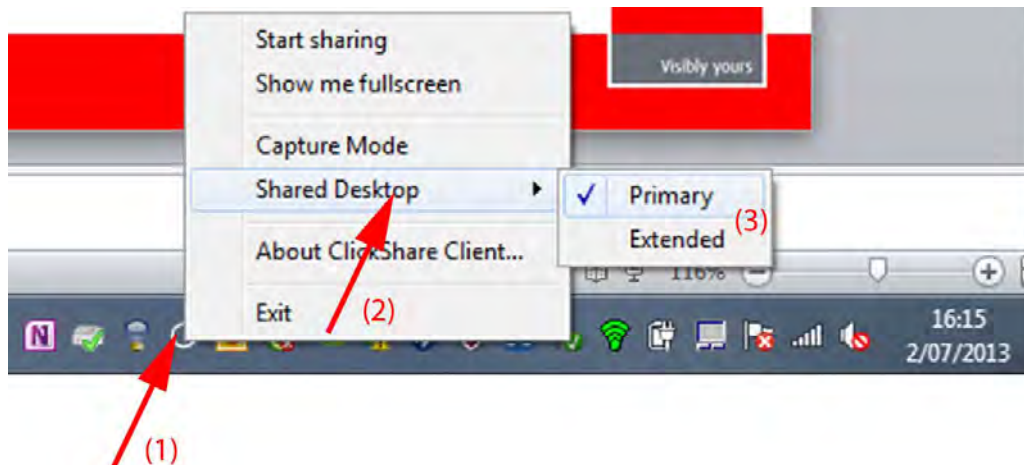


Image 3-17
Shared desktop selection

A context menu opens.

More than one extended desktop can be shown, e.g. extended desktop (center) and extended desktop (right).

2. Select *Shared Desktop* (2).
3. Select the desired setting (3).

Primary : the primary PC screen is displayed on the meeting room display.

Extended always the secondary screen is displayed on the meeting room display.

Known issue

- Virtual Extended Desktop not supported on some Windows8 and Windows10 systems due to a problem in recent versions of the AMD graphical driver. Downgrade to an older version of the driver might resolve the issue but make sure the AMD driver updated above version 13.8 .

3.7 Moderation

About moderation

The moderation functionality was specifically designed for use in larger rooms, with multiple people wanting to share at the same time. To prevent the rapid switching of screens, making the content difficult to follow, a moderator can manually select which content appears on-screen and when, thus ensuring a great experience for all attendees. The different Buttons, apps or legacy equipment are connected with the CSE-800. One participant, the moderator, connected with a Button can take the lead to moderate the meeting. Depending on the display mode he can show up to 4 or 8 contents on the displays. A specific content can be displayed full screen. The moderation function can be switched off at any time, returning the system into ClickShare's normal operating mode, with content being shared upon the click of a button.

How to start moderation

1. As moderator of the meeting, click on the ClickShare icon in the system tray (1).

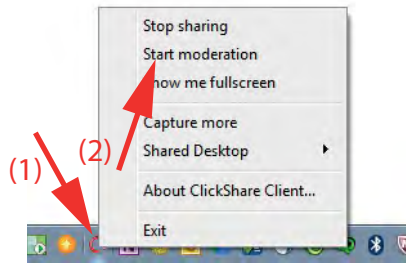


Image 3-18
Start moderation

A context menu opens.

2. Select *Start Moderation* (2).

The moderation application opens on his PC. All shared content is available.



Image 3-19
Moderation window

3. To stop moderation, close the moderation window.

About the different panes

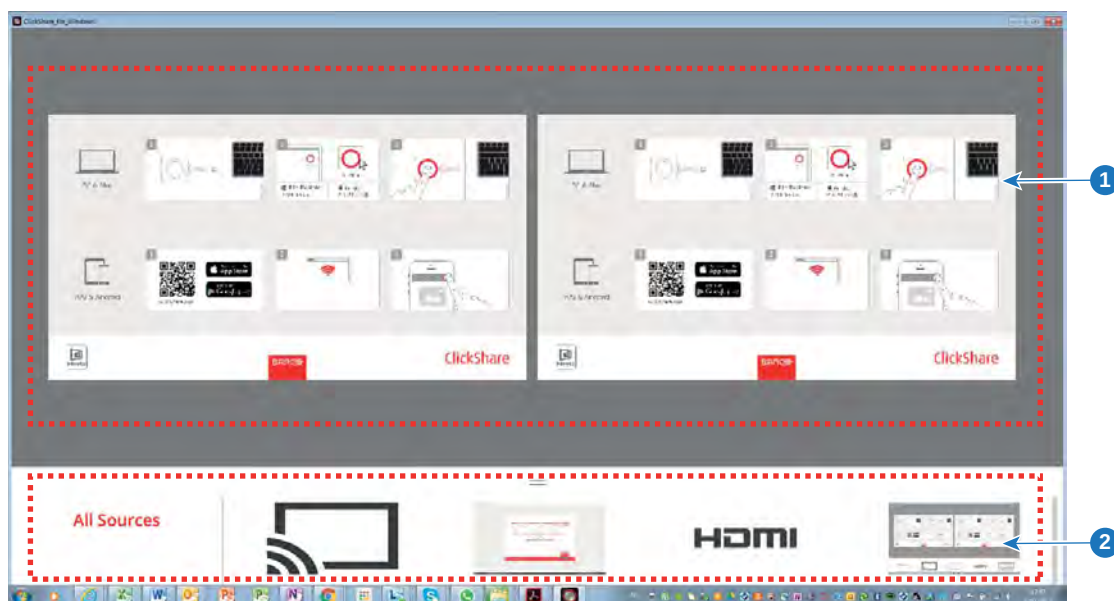


Image 3-20

3. Getting started

- 1 Representation of the displays with their current content.
- 2 Sources pane: representation of all connected sources, apps and Buttons. When more than 4 sources are connected, scroll in the source pane to view the additional sources.

How to display a content

1. Click on a content in the source pane and drag the selected source on to the screen.

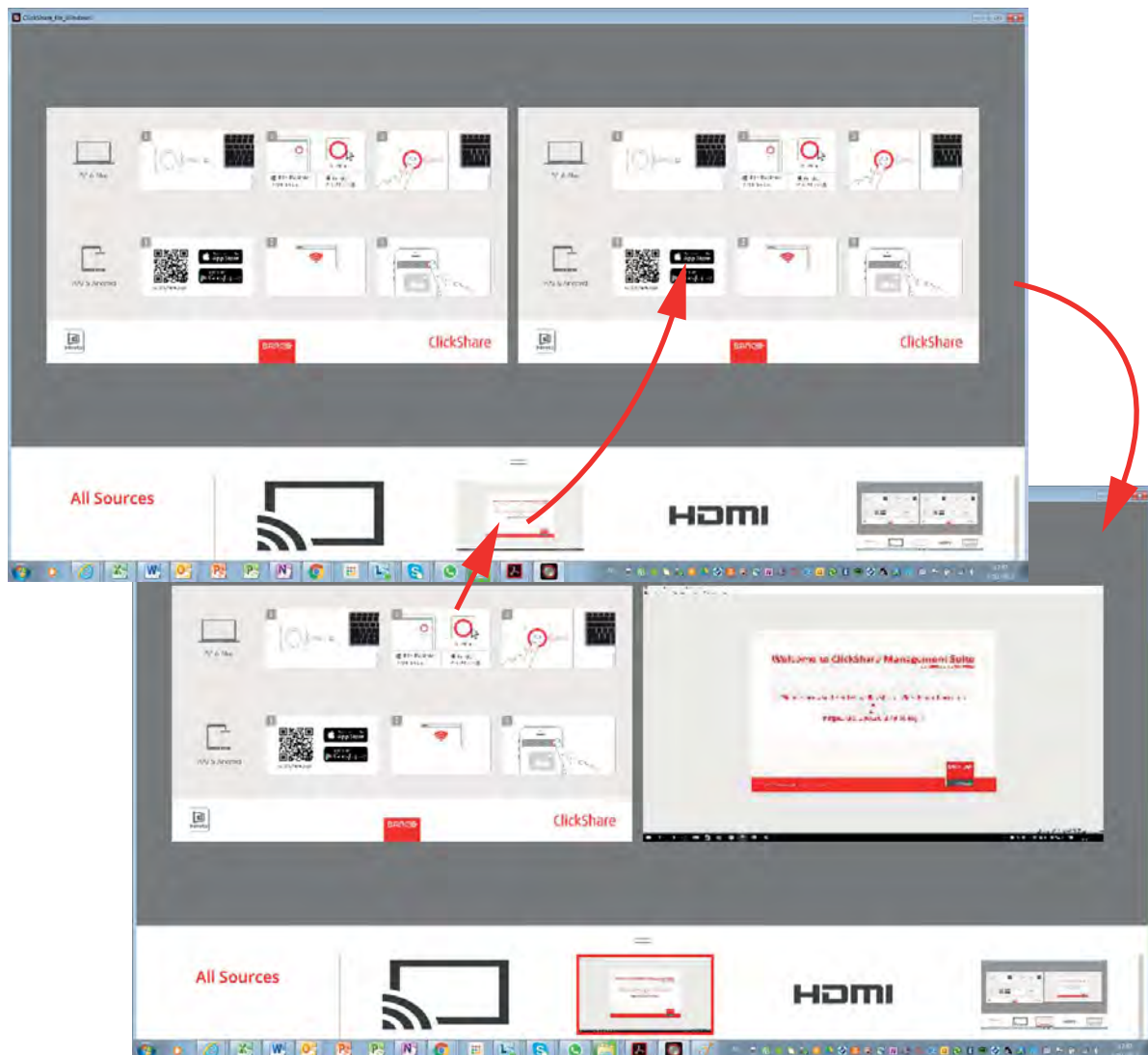


Image 3-21
Display a content

The content will be automatically displayed on the screen. The displayed source gets a red square around its content. This red square indicates that this source is displayed on the screens.

2. To add extra sources, click on the source and drag on to the screen.



Image 3-22
Display multiple contents

The new added sources are displayed on the screen. The software automatically layouts the different contents on the screen.

How to remove a content from the display

1. Click on a content in the display view and drag and drop outside the display.
Or,
click on the trash bin when hovering over the source on the display.

How to display a content full screen

1. Double click on the content to display this content full screen.

The selected content is displayed full screen and all other content on the screen is removed. All removed content is still available in the source pane.

3.8 Audio configuration

Audio configuration

The connected user must control his own audio signal using the audio configuration of his computer. If he does not want to broadcast his audio signal, he has to mute audio on his computer.

For some operating system, it is necessary to set ClickShare as your default output device. Once you unplug the Button, the default setting is switched back to the previous setting.

Set ClickShare as default in Windows

1. Right click on the speaker icon in the system tray (1).

3. Getting started

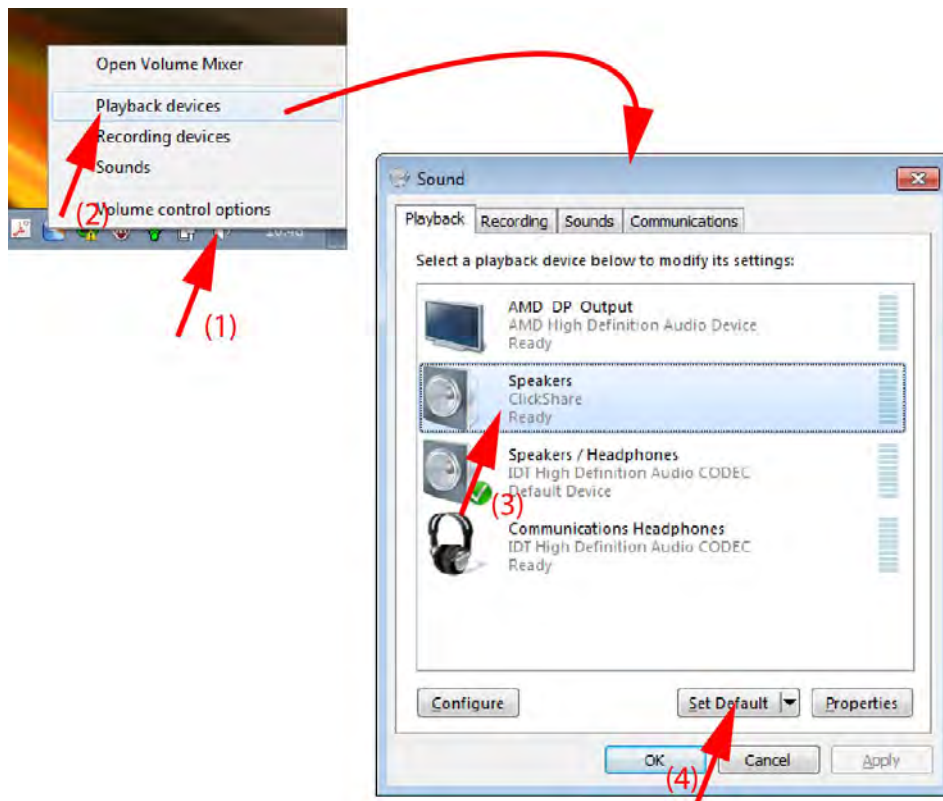


Image 3-23
Speakers ClickShare, default (example Windows 7)

2. Click *Playback devices* (2).

The *Sound* window opens on the *Playback* tab.

3. Select *Speakers ClickShare* (3) and click *Set default* (4).
4. Click **Apply** or **OK** to activate the new setting.

Set ClickShare as default on MAC

1. Click on the Apple logo on the menu bar (1) and select *System Preferences...* (2).

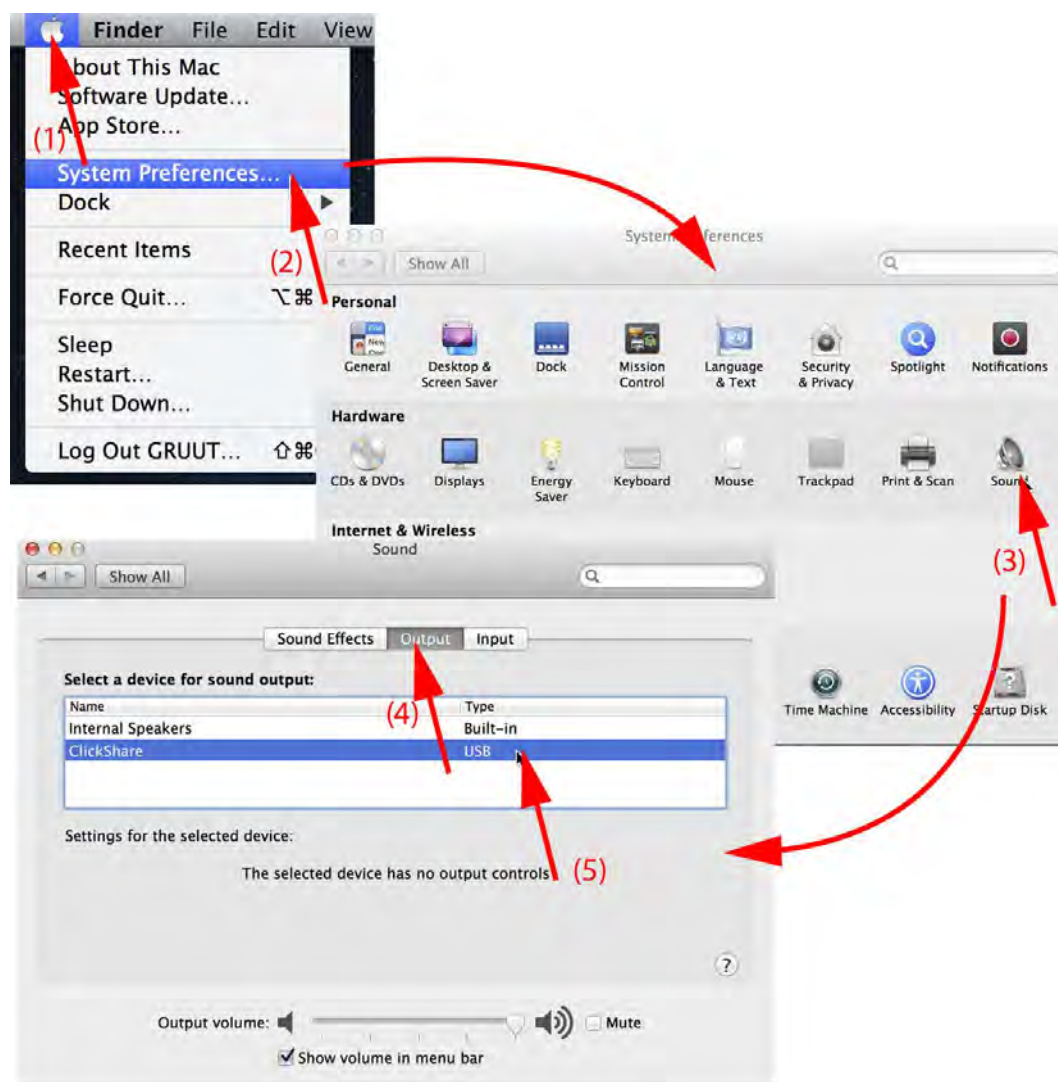


Image 3-24
Speakers ClickShare, default

2. Click on the *Speaker* icon (3).
- The *Sound* window opens.
3. Select the *Output* tab (4) and activate ClickShare (5).



Short way to select ClickShare as audio device: Click with the mouse on the *Speaker* symbol in the menu bar while holding **ALT**. ClickShare will be visible as an option.

3.9 Pairing

Pairing of the Buttons with the Base Unit

To be able to use a Button it should be assigned to the Base Unit you are using. This process is called pairing. By default, the Button(s) delivered with the CSE-800 set are already paired to the specific Base Unit.

In case you buy additional Buttons or when a Button should be assigned to another Base Unit, the Button needs to be paired (again). The Button software update runs in the background and will not impact users while using the system. If desired, this feature can be disabled in the Web Interface. When downgrading or updating to an older version of the Base Unit software the Buttons need to be paired manually to update their software and that only in case the Button update over Wi-Fi is disabled.



A Button can only be paired to one Base Unit at a time.

The Button will always make connection to the Base Unit it was last paired to.

To pair a Button to the Base unit

1. Insert the Button in the USB port at the front of the Base Unit you are using.

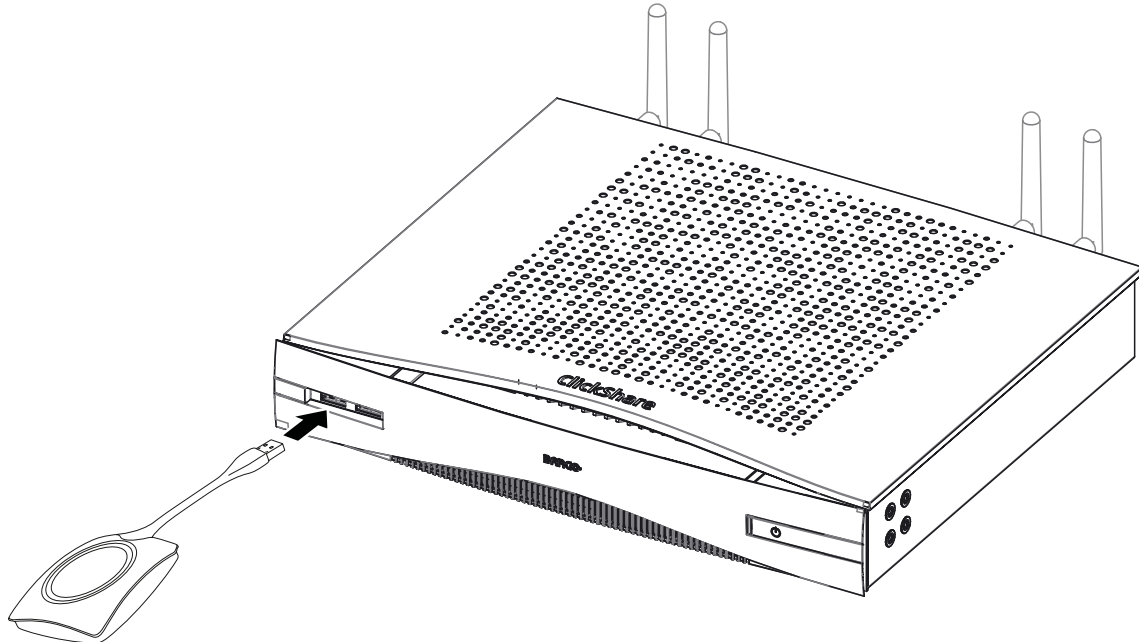


Image 3-25
Pair button

Both the LEDs of the Button and the LEDs of the Base Unit are blinking white. This means pairing is in progress.

The Base Unit automatically checks whether the software of the Button is up to date. If not, the Base Unit updates the Button software. This may take more time.

During the pairing and update process, a small status bar is display.

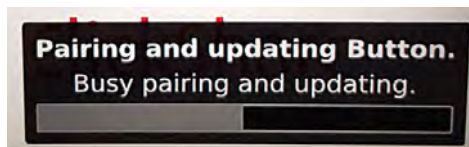


Image 3-26
Pairing message

The result of the pairing process can be as follows:

- When the LEDs become static white, the Button is paired to the Base Unit, but no software update was needed. You can unplug the Button from the Base Unit.
- When the LEDs become static red, the Button is paired to the Base Unit and the software update has finished. You can unplug the Button from the Base Unit.

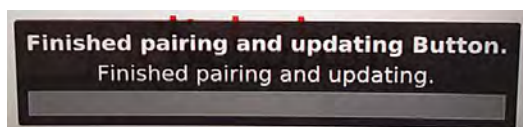


Image 3-27
Pairing finished

2. Unplug the Button from the Base Unit.

The Button is now ready for use.

4. TROUBLESHOOTING

4.1 Basic Troubleshooting

Problem solving

In this chapter some problems that might occur while using CSE-800 are listed. For each problem possible causes are given and a solution is proposed. If you cannot solve the problem yourself, please contact your local IT administrator.

Problem	Cause	Solution
Your screen is not shown on the display when pressing the Button.	You are the fifth person that wants to share the content to the display.	A current user has to push his button to remove his content so that a third user can share his content. or As third user, click and hold the Button to use the Show me function of ClickShare.
	The ClickShare client software is not running.	Go to the ClickShare drive and run the software.
Your screen is shown, but your audio is not playing on the meeting room audio system	Your audio signal on your PC is muted	Right click on the speaker icon and switch off the mute.
	Audio system of the meeting room is not switched on	Switch on the audio system of the meeting room.
	When using separate audio, audio cable is not connected	Check audio connection between the Base Unit (audio out, green connector) and the audio system of the meeting room.
	Default speaker is not correctly set .	With a Button inserted, set ClickShare speaker as your default speaker.
	Buttons are not re-paired after changing the audio setting on the web interface	Re-pair the buttons.
	Audio setting on the web interface is not correctly set.	Consult your administrator to select the correct audio setting.
Your content is removed from the display and the LEDs of your Button are blinking white.	Connection to the Base Unit has been lost.	ClickShare tries to restore the connection automatically. If this fails, the LEDs of the Button start blinking red. You should unplug the Button from your laptop and start a new.
Nothing is shown on the display at all.	The display is switched off.	Switch on the display.
	Wrong input is selected.	Select the correct input.
	The display cable is not connected (correctly).	(Re)insert the display cable to the display and the Base Unit.
	The display does not recognize or is not able to display the Base Unit output resolution.	You or an administrator should change the corresponding setting via the web interface.
	The Base Unit is in standby mode.	Briefly push the standby button on the Base Unit or plug in a Button and run the ClickShare client software.
	The Base Unit is powered off.	Check if power adapter is connected to the Base unit and to the wall outlet.
	The Button's software is not compatible with that of the Base unit	Re-pair and update the software of the Button by inserting it in the front USB port of Base Unit.
	Wallpaper is disabled	If you connect a Button and start sharing, the content should be shown.

4. Troubleshooting

Problem	Cause	Solution
After inserting the Button into your laptop, you cannot find the ClickShare drive.	No automatic refresh of drives.	Refresh the view on your laptop.
	Bad connection at USB port on laptop.	• Reconnect to the USB port. • Try another USB port. • Reboot your laptop.
	Windows tries to assign the ClickShare drive to an already reserved drive letter	Use Microsoft Windows Disk Management to assign it to a free drive letter.
	IT policy not mount USB drives	Contact your IT responsible.
Some programs of Windows are not shown on the display.	Use of overlays, 3D or hardware acceleration in the GPU.	• Disable overlays or hardware acceleration in the GPU. • Disable AeroGlass in Windows 7 • Capture mode

5. ENVIRONMENTAL INFORMATION

5.1 Disposal information

Disposal Information

Waste Electrical and Electronic Equipment



This symbol on the product indicates that, under the European Directive 2012/19/EU governing waste from electrical and electronic equipment, this product must not be disposed of with other municipal waste. Please dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

For more information about recycling of this product, please contact your local city office or your municipal waste disposal service.

For details, please visit the Barco website at: <http://www.barco.com/en/AboutBarco/weee>

Disposal of batteries in the product



This product contains batteries covered by the Directive 2006/66/EC which must be collected and disposed of separately from municipal waste.

If the battery contains more than the specified values of lead (Pb), mercury (Hg) or cadmium (Cd), these chemical symbols will appear below the crossed-out wheeled bin symbol.

By participating in separate collection of batteries, you will help to ensure proper disposal and to prevent potential negative effects on the environment and human health.

5.2 Rohs compliance

Turkey RoHS compliance



Türkiye Cumhuriyeti: AEEE Yönetmeliğine Uygundur.

[Republic of Turkey: In conformity with the WEEE Regulation]

中国大陆 RoHS – Chinese Mainland RoHS

根据中国大陆《电器电子产品有害物质限制使用管理办法》(也称为中国大陆RoHS), 以下部分列出了Barco产品中可能包含的有毒和/或有害物质的名称和含量。中国大陆RoHS指令包含在中国信息产业部MCV标准:“电子信息产品中有毒物质的限量要求”中。

According to the “Management Methods for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products” (Also called RoHS of Chinese Mainland), the table below lists the names and contents of toxic and/or hazardous substances that Barco's product may contain. The RoHS of Chinese Mainland is included in the MCV standard of the Ministry of Information Industry of China, in the section “Limit Requirements of toxic substances in Electronic Information Products”.

零件项目(名称)	有毒有害物质或元素					
Component Name	Hazardous Substances or Elements					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr6+)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印制电路配件 Printed Circuit Assemblies	x	0	x	0	0	0
电(线)缆 Cables	x	0	x	0	0	0

5. Environmental information

底架 Chassis	x	0	x	0	0	0
电源供应器 Power Supply Unit	x	0	x	0	0	0
文件说明书 Paper Manuals	0	0	0	0	0	0

本表格依据SJ/T 11364的规定编制

This table is prepared in accordance with the provisions of SJ/T 11364.

O: 表示该有毒有害物质在该部件所有均质材料中的含量均在 GB/T 26572 标准规定的限量要求以下。

O: Indicates that this toxic or hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in GB/T 26572.

X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 标准规定的限量要求。

X: Indicates that this toxic or hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in GB/T 26572.

在中国大陆销售的相应电子信息产品(EIP)都必须遵照中国大陆《电子电气产品有害物质限制使用标识要求》标准贴上环保使用期限(EFUP)标签。Barco产品所采用的EFUP标签(请参阅实例, 徽标内部的编号使用于指定产品)基于中国大陆的《电子信息产品环保使用期限通则》标准。

All Electronic Information Products (EIP) that are sold within Chinese Mainland must comply with the "Marking for the restriction of the use of hazardous substances in electrical and electronic product" of Chinese Mainland, marked with the Environmental Friendly Use Period (EFUP) logo. The number inside the EFUP logo that Barco uses (please refer to the photo) is based on the "General guidelines of environment-friendly use period of electronic information products" of Chinese Mainland.



Image 5-1

5.3 Production address

Factory

Barco N.V.

12F, Citychamp Building, No. 12, Tai Yang Gong Zhong Lu, Chaoyang District, Beijing, P.R.C

Made in information

The made in country is indicated on the product ID label on the product itself.

Production date

The month and year of production is indicated on the product ID label on the product itself.

5.4 Importers contact information

Contact

To find your local importer, contact Barco directly or one of Barco's regional offices via the contact information given on Barco's web site, www.barco.com.

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