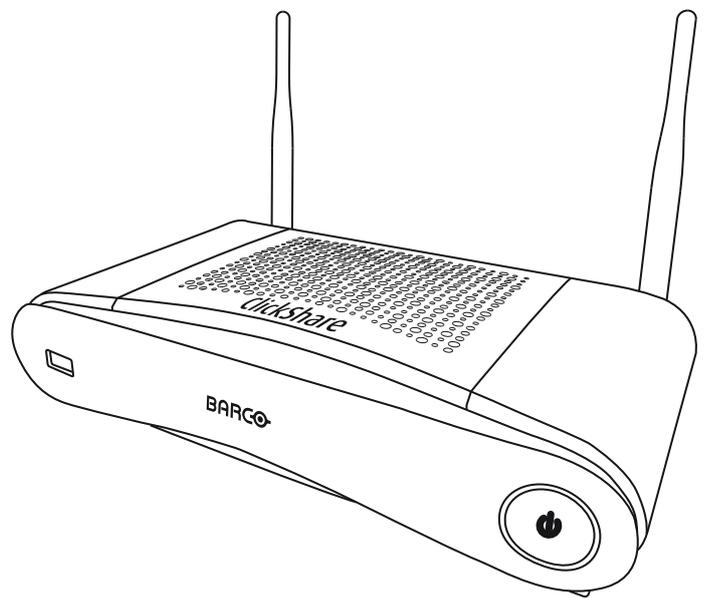


ClickShare CSE-200



User guide

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www.barco.com

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The environmental conditions as well as the servicing and maintenance regulations specified in this manual must be complied with by the customer.

Barco ClickShare Product Specific End User License Agreement¹

THIS PRODUCT SPECIFIC USER LICENSE AGREEMENT (EULA) TOGETHER WITH THE BARCO GENERAL EULA ATTACHED HERETO SET OUT THE TERMS OF USE OF THE SOFTWARE.

PLEASE READ THIS DOCUMENT CAREFULLY BEFORE OPENING OR DOWNLOADING AND USING THE SOFTWARE.

¹: In the event of any differences or inconsistencies between translations of the EULA and the English text of the EULA, the English text will prevail.

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1. Entitlement

Barco ClickShare (the “Software”) offered as a wireless presentation solution that includes the respective software components as further detailed in the applicable Documentation.

The Software can be used upon purchase from, and subject to payment of the relating purchase price to, a Barco authorized distributor or reseller of the ClickShare base unit and button or download of the authorized ClickShare applications (each a “Barco ClickShare Product”).

- **Term**

The Software can be used under the terms of this EULA from the date of first use of the Barco ClickShare Product, for as long as you operate such Barco ClickShare Product.

- **Deployment and Use**

The Software shall be used solely in association with a Barco ClickShare Product in accordance with the Documentation issued by Barco for such Product.

2. Support

The Software is subject to the warranty conditions outlined in the Barco warranty rider. Maintenance, including the provision of upgrades and updates to the Software, and helpdesk support are available at your option on the terms of Barco’s then current warranty rider.

Higher maintenance and support levels can be obtained at the moment of product sale or during the Barco ClickShare Product and/or Software warranty term.

Higher maintenance and support levels may be included in the initial transaction if ordered and paid for additionally. It is strongly suggested to maintain the maintenance and support agreement without interruption. Barco reserves the right not to restart maintenance following an interruption by the customer.

3. Terms of Use

The Software can be used as set out in the Barco EULA attached hereto.

The provisions of this Product Specific EULA override the Barco generic EULA in case of conflicts or inconsistencies.

In case of (inadvertent or other) non-compliance (e.g. where the actual use overshoots the use authorized hereunder), Barco shall have the option to suspend access to the Software until the non-compliance is remedied, failing of which Barco may terminate the License Agreement as set out herein.

4. Privacy

You are controller for personal data which are being processed via the Software. Therefore, you remain solely responsible for complying with all applicable data protection laws and for implementing and maintaining privacy protection and security measures (especially for components that you provide or control). Barco disclaims any liability in this regard.

Barco created a specific privacy policy for the ClickShare software application for mobile devices, which describes the processing of personal data via this application (<http://www.barco.com/en/about-barco/legal/privacy-policy/clickshare-app>).

5. Other Terms

- **Open Source components**

The Software contains software components released under an Open Source license.

A list of the third party components used is available in the Software’s README files, through the “My Barco” section of the Barco website or through other (online) means. The applicable license terms, copyright notices and, as relevant, source code access conditions apply as set out in the Barco EULA attached hereto.

- **Retention of data**

Barco right to use and retain Functional Information (section 10.2 of the EULA) shall survive the term of this EULA.

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"Product Specific EULA" means the supplemental software terms applicable

"Software" means the computer software, released in object code only, which is being licensed hereunder, as described in the applicable purchase order and related Product Specific EULA.

"Term" means the period set out in article 9.1 hereof, as well as any agreed renewal period.

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9.1 Term. The duration of this License Agreement will be from the date of your acceptance (as set forth above) of the Software (whereby you acknowledge that use of the Software implies acceptance), until you deactivate the Software, discontinue the use of the device on which the Software was first installed for its intended use or the expiration of the limited time period set out in the Product Specific EULA, whichever comes first.

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10.2 *Functional Information*. Via the Software, Barco may gather technical information about (i) the functioning and the functionality of the products which are connected through the Software, and/or (ii) as provided by you or generated by your use of the Software ("Functional Information"). Barco may make use of such Functional Information for purposes of analytics, for developing and improving products and services, offering products and services to your organization and/or allowing third parties to access such Functional Information; based on the legitimate interest of Barco of evaluating the market, assessing and improving its products and conducting research and development. All knowhow, inventions and works derived by Barco from the Functional Information will be exclusively owned by Barco.

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11.1 *Entire Agreement*. This License Agreement is the only understanding and agreement between you and Barco for use of the Software. This License Agreement supersedes all other communications, understandings or agreements we had prior to this License Agreement (with the exception of any continuing confidentiality agreement).

11.2 *Notices*. Notices can be validly delivered through the DRM and alternatively or additionally to the parties' last known address.

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11.4 *Export*. You acknowledge that this Software may be subject to U. S. or other governments' Export control laws and regulations. You agree to comply with all applicable international and national laws that apply to the Software, including the U. S. Export Administration Regulations, as well as end-user, end-use, and destination restrictions issued by the U.S. or other governments.

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11.6 *Assignment*. You are not allowed to assign this Agreement in part or in full to any third party without Barco's consent. Barco shall be entitled to assign all or any of Barco's obligations hereunder to a third party and/or any of Barco's Affiliates.

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In the development of the Software, the following Open Source Software components have been used:

PACKAGE	VERSION	SOURCE SITE
alsa-lib	1.1.3	ftp://ftp.alsa-project.org/pub/lib
alsa-utils	1.1.3	ftp://ftp.alsa-project.org/pub/utills
libsamplerate	0.1.9	http://www.mega-nerd.com/SRC
libsndfile	1.0.28	http://www.mega-nerd.com/libsndfile/files
ncurses	5.9	http://ftpmirror.gnu.org/ncurses
avahi	0.6.32	https://github.com/lathiat/avahi/releases/download/v0.6.32
dbus	1.10.16	http://dbus.freedesktop.org/releases/dbus
expat	2.2.2	http://downloads.sourceforge.net/project/expat/expat/2.2.2
libdaemon	0.14	http://0pointer.de/lennart/projects/libdaemon
glib2	2.50.2	http://ftp.gnome.org/pub/gnome/sources/glib/2.50
libffi	3.2.1	ftp://sourceware.org/pub/libffi
pcre	8.41	https://ftp.pcre.org/pub/pcre
util-linux	2.29.2	https://cdn.kernel.org/pub/linux/utils/util-linux/v2.29
busybox	1.26.2	http://www.busybox.net/downloads
readline	7.0	http://ftpmirror.gnu.org/readline
zlib	1.2.11	http://www.zlib.net
bc	1.06.95	http://alpha.gnu.org/gnu/bc
crda	3.18	https://cdn.kernel.org/pub/software/network/crda
libgcrypt	1.7.9	https://gnupg.org/ftp/gcrypt/libgcrypt
libpgp-error	1.26	ftp://ftp.gnupg.org/gcrypt/libpgp-error
libnl	3.2.27	https://github.com/thom311/libnl/releases/download/libnl3_2_27
cryptsetup	1.7.3	https://cdn.kernel.org/pub/linux/utils/cryptsetup/v1.7

PACKAGE	VERSION	SOURCE SITE
lvm2	2.02.168	
popt	1.16	http://rpm5.org/files/popt
devmem2	1	http://free-electrons.com/pub/mirror
dhcp	4.3.5	http://ftp.isc.org/isc/dhcp/4.3.5
dnsmasq	2.78	http://thekelleys.org.uk/dnsmasq
dropbear	2017.75	http://matt.ucc.asn.au/dropbear/releases
e2fsprogs	1.43.3	https://cdn.kernel.org/pub/linux/kernel/people/tytso/e2fsprogs/v1.43.3
ethtool	4.8	https://cdn.kernel.org/pub/software/network/ethtool
eudev	3.2.1	http://dev.gentoo.org/~blueness/eudev
kmod	23	https://cdn.kernel.org/pub/linux/utils/kernel/kmod
faad2	2.8.1	http://downloads.sourceforge.net/project/faac/faad2-src/faad2-2.8.0
ffmpeg	2.8.6	http://ffmpeg.org/releases
fontconfig	2.12.1	http://fontconfig.org/release
freetype	2.7.1	http://download.savannah.gnu.org/releases/freetype
libpng	1.6.28	http://downloads.sourceforge.net/project/libpng/libpng16/1.6.28
lame	3.100	http://downloads.sourceforge.net/project/lame/lame/3.100
libvorbis	1.3.5	http://downloads.xiph.org/releases/vorbis
libogg	1.3.2	http://downloads.xiph.org/releases/ogg
openssl	1.0.2m	http://www.openssl.org/source
opus	1.1.4	http://downloads.xiph.org/releases/opus
speex	1.2rc1	http://downloads.us.xiph.org/releases/speex
file	5.32	ftp://ftp.astron.com/pub/file
firmware-imx	5.4	http://www.freescale.com/lgfiles/NMG/MAD/YOCTO
imx-codec	4.1.4	http://www.freescale.com/lgfiles/NMG/MAD/YOCTO
imx-parser	4.1.4	http://www.freescale.com/lgfiles/NMG/MAD/YOCTO
imx-gpu-viv	5.0.11.p8.6-hfp	http://www.freescale.com/lgfiles/NMG/MAD/YOCTO
imx-lib	5.4	http://www.freescale.com/lgfiles/NMG/MAD/YOCTO
linux	4.1.15	http://git.freescale.com/git/cgit.cgi/imx/linux-2.6-imx.git
imx-vpu	5.4.35	http://www.freescale.com/lgfiles/NMG/MAD/YOCTO
imx-vpuwrap	1.0.68	http://www.freescale.com/lgfiles/NMG/MAD/YOCTO
gnupg2	2.0.30	ftp://ftp.gnupg.org/gcrypt/gnupg
libassuan	2.4.3	ftp://ftp.gnupg.org/gcrypt/libassuan
libksba	1.3.5	ftp://ftp.gnupg.org/gcrypt/libksba

PACKAGE	VERSION	SOURCE SITE
libpthsem	2.0.8	http://www.auto.tuwien.ac.at/~mkoegler/pth
gst1-plugins-bad	1.10.4	https://gstreamer.freedesktop.org/src/gst-plugins-bad
gst1-plugins-base	1.10.4	https://gstreamer.freedesktop.org/src/gst-plugins-base
gstreamer1	1.10.4	https://gstreamer.freedesktop.org/src/gstreamer
gst1-plugins-good	1.10.4	https://gstreamer.freedesktop.org/src/gst-plugins-good
pulseaudio	9.0	http://freedesktop.org/software/pulseaudio/releases
json-c	json-c-0.12-20140410	https://github.com/json-c/json-c/archive/json-c-0.12-20140410
libtool	2.4.6	http://ftpmirror.gnu.org/libtool
hostapd	2.6	http://w1.fi/releases
i2c-tools	v3.1.2	git://git.kernel.org/pub/scm/utils/i2c-tools/i2c-tools.git
input-event-daemon	v0.1.3	https://github.com/gandro/input-event-daemon/archive/v0.1.3
iperf	2.0.9	http://downloads.sourceforge.net/project/iperf2
iptables	1.6.1	http://ftp.netfilter.org/pub/iptables
iw	4.9	https://cdn.kernel.org/pub/software/network/iw
libjpeg	9b	http://www.ijg.org/files
libarchive	3.3.2	http://www.libarchive.org/downloads
libxml2	2.9.5	ftp://xmlsoft.org/libxml2
libbsd	0.8.3	http://libbsd.freedesktop.org/releases
libconfig	1.5	http://www.hyperrealm.com/libconfig
libcurl	7.56.1	https://curl.haxx.se/download
libestr	0.1.10	http://libestr.adiscon.com/files/download
libevdev	1.5.6	http://www.freedesktop.org/software/libevdev
libevent	2.1.8-stable	https://github.com/libevent/libevent/releases/download/release-2.1.8-stable
libfastjson	v0.99.4	https://github.com/rsyslog/libfastjson/archive/v0.99.4
libical	1.0.1	https://github.com/libical/libical/releases/download/v1.0.1
libid3tag	0.15.1b	http://downloads.sourceforge.net/project/mad/libid3tag/0.15.1b
libimxvpuapi	0.10.3	https://github.com/Freescale/libimxvpuapi/archive/0.10.3
libinput	1.6.0	http://www.freedesktop.org/software/libinput
mtdev	1.1.4	http://bitmath.org/code/mtdev
liblogging	1.0.5	http://download.rsyslog.com/liblogging
libmad	0.15.1b	http://downloads.sourceforge.net/project/mad/libmad/0.15.1b
libmpeg2	0.5.1	http://libmpeg2.sourceforge.net/files
libpciaccess	0.13.4	http://xorg.freedesktop.org/releases/individual/lib

PACKAGE	VERSION	SOURCE SITE
libpthread-stubs	0.3	http://xcb.freedesktop.org/dist
libqrencode	3.4.2	http://fukuchi.org/works/qrencode
libsha1	0.3	https://github.com/dottedmag/libsha1/archive/0.3
libusb	1.0.20	https://github.com/libusb/libusb/releases/download/v1.0.20
lighttpd	1.4.45	http://download.lighttpd.net/lighttpd/releases-1.4.x
lm-sensors	3.4.0	http://snapshot.debian.org/archive/debian/20170208T211941Z/pool/main/l/lm-sensors
logrotate	3.11.0	https://github.com/logrotate/logrotate/archive/3.11.0
memtester	4.3.0	http://pyropus.ca/software/memtester/old-versions
monit	5.20.0	http://mmonit.com/monit/dist
nodejs	6.11.5	http://nodejs.org/dist/v6.11.5
ntp	4.2.8p10	https://www.eecis.udel.edu/~ntp/ntp_spool/ntp4/ntp-4.2
php	7.1.7	http://www.php.net/distributions
sqlite	3160200	http://www.sqlite.org/2017
protobuf	v2.6.1	https://github.com/google/protobuf/archive/v2.6.1
qt5base	5.6.3	http://download.qt.io/official_releases/qt/5.6/5.6.3/submodules
qt5declarative	5.6.3	http://download.qt.io/official_releases/qt/5.6/5.6.3/submodules
qt5xmlpatterns	5.6.3	http://download.qt.io/official_releases/qt/5.6/5.6.3/submodules
qt5imageformats	5.6.3	http://download.qt.io/official_releases/qt/5.6/5.6.3/submodules
qt5multimedia	5.6.3	http://download.qt.io/official_releases/qt/5.6/5.6.3/submodules
qt5quickcontrols	5.6.3	http://download.qt.io/official_releases/qt/5.6/5.6.3/submodules
qt5svg	5.6.3	http://download.qt.io/official_releases/qt/5.6/5.6.3/submodules
qt5websockets	5.6.3	http://download.qt.io/official_releases/qt/5.6/5.6.3/submodules
rsyslog	8.22.0	http://rsyslog.com/files/download/rsyslog
tslib	1.5	https://github.com/kergoth/tslib/releases/download/1.5
tzdata	2016j	http://www.iana.org/time-zones/repository/releases
wireless-regdb	2011.04.28	http://kernel.org/pub/software/network/wireless-regdb
wireless_tools	30.pre9	http://www.hpl.hp.com/personal/Jean_Tourrilhes/Linux
wpa_supplicant	2.6	http://w1.fi/releases
Microstack	0.0.69	www.meshcommander.com/upnptools
splashutils	1.5.4.4	http://dev.gentoo.org/~spock/projects/gensplash/archive
uboot	2014.04	http://git.freescale.com/git/cgit.cgi/imx/uboot-imx.git
rockbox	v3.10	https://github.com/Rockbox/rockbox/tree/v3.10
gststreamer-imx	0.12.3	https://github.com/Freescale/gstreamer-imx/releases
libcap	2.25	https://www.kernel.org/pub/linux/libs/security/linux-privs/libcap2

PACKAGE	VERSION	SOURCE SITE
mtd	1.5.2	ftp://ftp.infradead.org/pub/mtd-utils
procps-ng	3.3.12	http://downloads.sourceforge.net/project/procps-ng/Production
strace	4.15	http://downloads.sourceforge.net/project/strace/strace/4.15
hidapi	0.5.2	https://github.com/signal11/hidapi
linux	3.1.0	https://mirrors.edge.kernel.org/pub/linux/kernel/v3.x/
sazanami-fonts	20040629	http://sourceforge.jp/projects/efont/downloads/10087
unfonts	1.0	http://kldp.net/frs/download.php/1425
dejavu-fonts	2.34	http://downloads.sourceforge.net/project/dejavu/dejavu/2.34
arphic-uming-fonts	20080216	http://archive.ubuntu.com/ubuntu/pool/main/t/ttf-arphic-uming

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-R9861520

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

Button FCC ID (model R9861500D01C): 2AAED-R9861500D01

ClickShare Button 2AAED-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: IC: 9393B-R9861520

Button IC (model R9861500D01): 9393B-R9861500D01

Button IC (model R9861500D01C): 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 9393B-R9861520 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

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 Unité de Base: 9393B-R9861520

IC Button (modèle R9861500D01): 9393B-R9861500D01

IC Button (model R9861500D01C): 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 9393B-R9861520 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

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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-200 product, the Base Unit and accessories are regionalized. By the time of release of this manual, 3 regional versions of CSE-200 are available:

- Europe & Japan
- North America
- China



The regional version of your CSE-200 cannot be changed. That means that you cannot use it in another region.

For more information on the regional variants, refer to the CSE-200 Installation Guide.

1.2 About this guide

This manual

Partnumber	Description	Level
R5900025	User Guide	User

Available System documentation

This guide is part of the documentation set describing the CSE-200 product.

Guide	Article number
User Guide	R5900025
Installation Guide	R5900023
Safety Guide	R5900032
Service Guide	R5900027
Button Guide	R5900007
Recycling Manual	R5900029
API Guide	R5900018

A printed copy of the Safety Guide is included in the CSE-200 box at purchase.



Depending on the CSE-200 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-200. 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.

Introduction to CSE- 200

2

Overview

- About the CSE-200
- About the Base Unit
- About the Button
- Mobile Device Support

2.1 About the CSE-200

CSE-200 sets

CSE-200 makes connecting to the meeting room's video system a matter of clicking a Button.

This CSE-200 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-200 set

A standard CSE-200 set consists of a Base Unit and 2 Buttons. 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 a tray to store the Buttons.

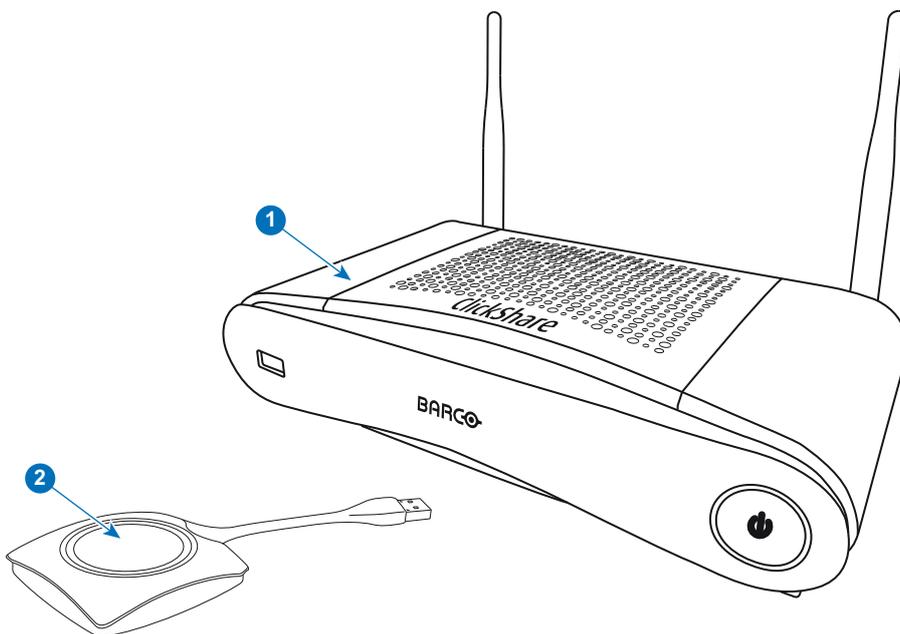


Image 2-1

1	Base unit
2	Button

Accessories included

Depending on the country where you buy the product, the following regionalized accessories are also included in the CSE-200 box.

Products	Contains	Accessories included
R9861520xx ²	<ul style="list-style-type: none"> R9861520 1x R9861500D01 	<ul style="list-style-type: none"> DC adapter with AC clips type A, C, G, I³ Printed safety manual
R9861500D01	1x R9861500D01	
R9861500D01C	1x R9861500D01C	

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

2: xx=EU, CN, NA, ZH,

3: Included AC clips can be different according to the region

2.2 About the Base Unit

Base Unit functionality

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 inside a cabinet in the meeting room, or put on the meeting room table or mounted on a wall. Check the Installation Guide for instructions on how to install the Base Unit.

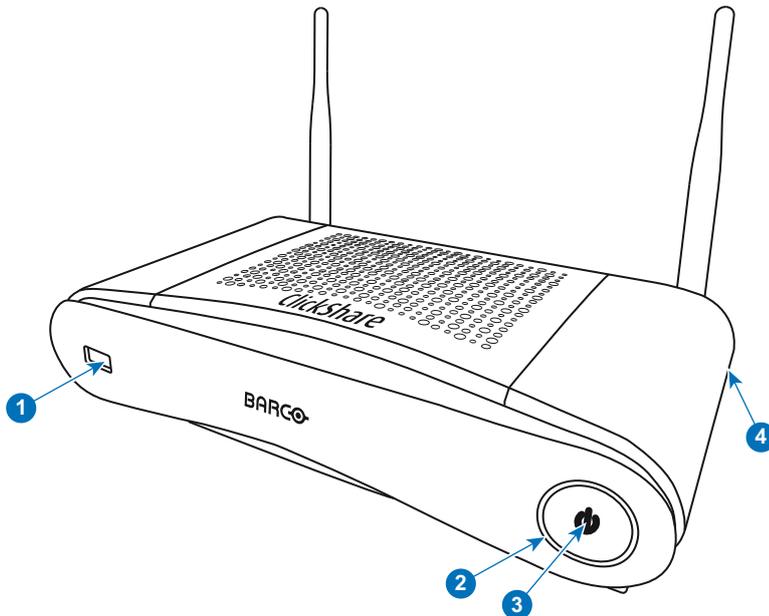


Image 2-2

- | | |
|---|-----------------|
| 1 | USB Type-A port |
| 2 | Status LED ring |
| 3 | Standby Button |
| 4 | Kensington lock |

USB Port

The USB port is used to update the software of both the Base Unit and the Buttons.

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

Use a convertor to connect a Button with an USB Type-C™ connector to the Base Unit.

Status LED ring

The color of the LED ring around the power button 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

LEDs behavior**Explanation**

breathing white	<ul style="list-style-type: none"> software update of the Base Unit ECO standby mode
static white	<ul style="list-style-type: none"> awake and ready (i.e. showing the welcome message on the display) pairing is done
red blinking	<ul style="list-style-type: none"> an error occurred
dark	<ul style="list-style-type: none"> deep standby/off

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

Bluetooth

Bluetooth functionality is currently not available and Bluetooth signal is disabled.

2.3 About the Button

Button functionality

A Button contains three main functional components.

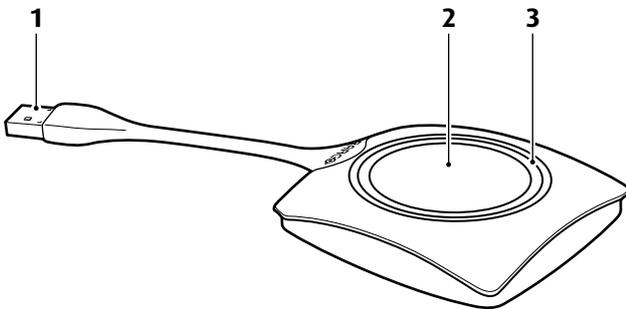


Image 2-3: The Button

- | | |
|---|---------------|
| 1 | USB connector |
| 2 | Button |
| 3 | LED ring |



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

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 R9861500D1 has a USB Type-A connector, Button R9861500D1C has a USB Type-C™ connector. Depending on the type of USB port on your laptop or on the Base Unit a convertor must be used.

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 CSE-200.

LEDs behavior	Explanation
white blinking	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> ClickShare is ready to start sharing your screen. pairing is done. You can now unplug the Button from the Base Unit.
static red	<ul style="list-style-type: none"> sharing your screen with the display. pairing and software update is done. You can now unplug the Button from the Base Unit.
red blinking	<ul style="list-style-type: none"> an error occurred.
off (no light)	<ul style="list-style-type: none"> 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.

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	

Getting started

3

Overview

- Activating the base unit
- Basic Use
- User Interface
- Capture more
- Shared desktop: primary - extended
- Audio configuration
- Pairing
- Touchback

3.1 Activating the base unit

About power mode

The Base Unit is powered via an external power adapter. Once connected, the Base Unit is automatically switched in standby mode. For more information about power connection, see CSE-200's installation manual.

Standby button

1. Push the button shortly.

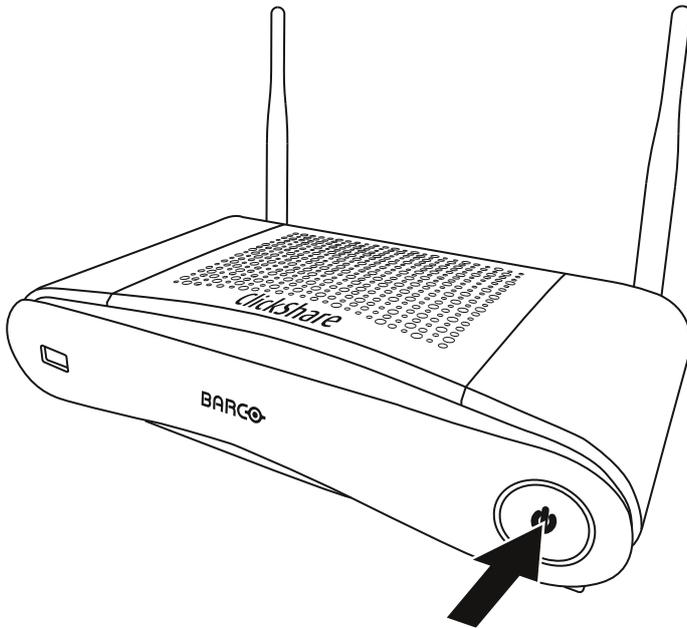


Image 3-1: Standby button

When the Base Unit was on, it goes to standby
When the Base Unit was in standby, it starts up.

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. When necessary, use a USB convertor.

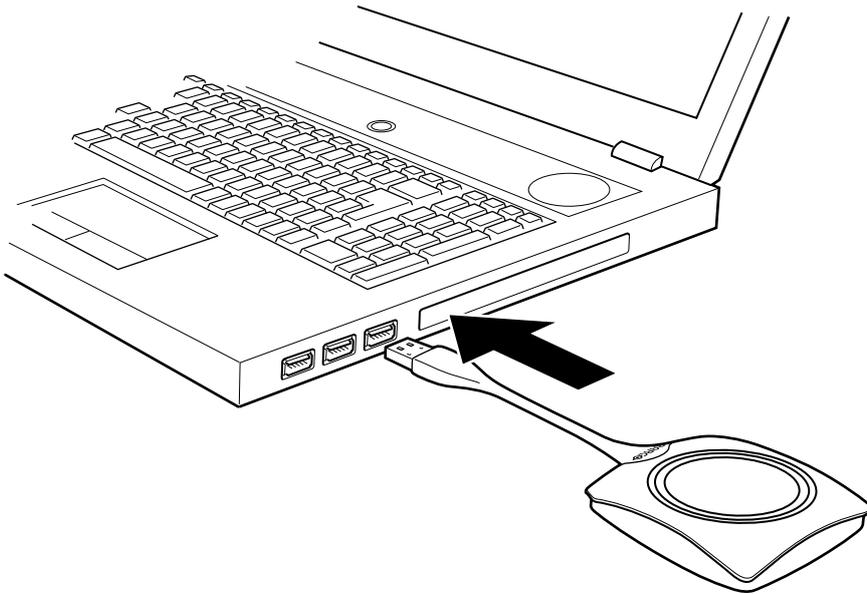


Image 3-2

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 .
- nothing is pre-installed. Continue with go to step 2.

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

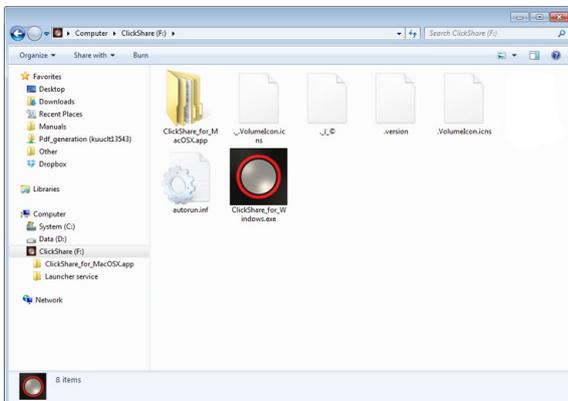


Image 3-3: Windows environment

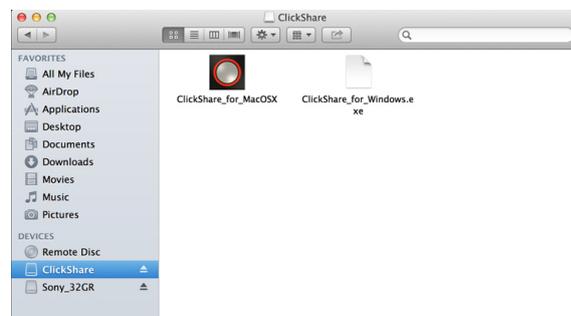


Image 3-4: MAC environment

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.

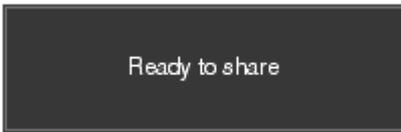


Image 3-5

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 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.

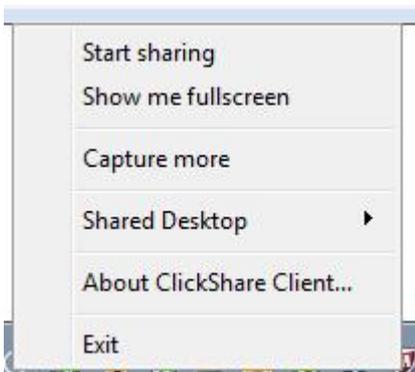


Image 3-6: Context menu

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

Click	To	Result
Start sharing	to show your screen on the display.	The LEDs of your Button become red.
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.

3.4 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: Checked, capture more is enabled.

How to change

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

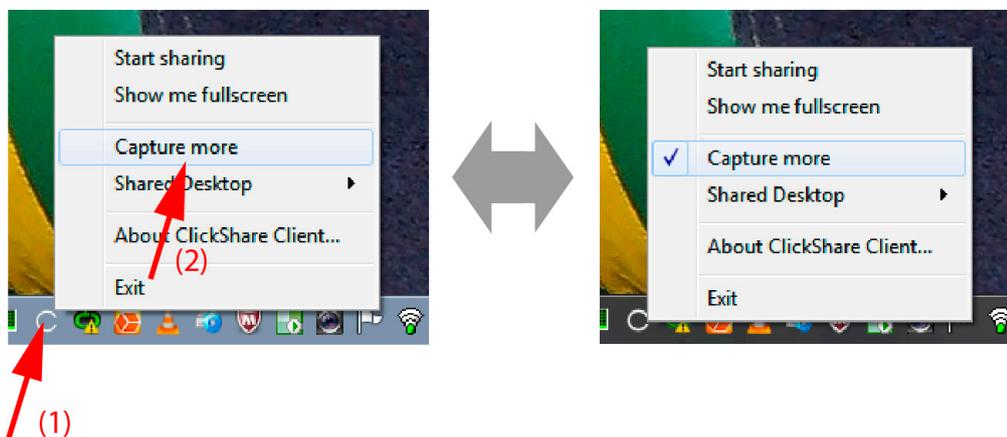


Image 3-7: Change capture mode

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

3.5 Shared desktop: primary - extended

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 3-8

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



Image 3-9

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



Image 3-10

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



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

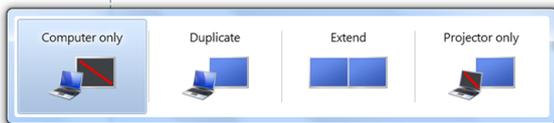


Image 3-11

How to select

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

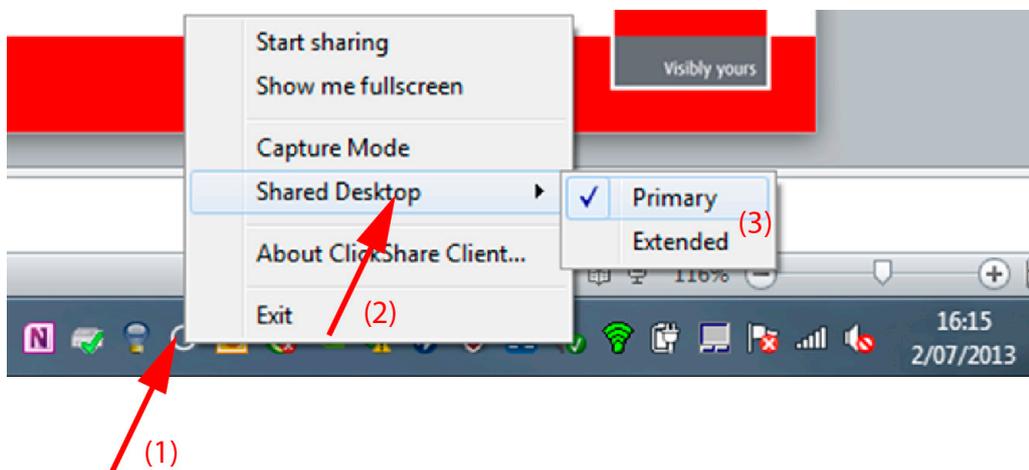


Image 3-12: Shared desktop selection

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 requires the ClickShare Extension Pack to be installed on Windows 8 and Windows 10 systems.

3.6 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

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

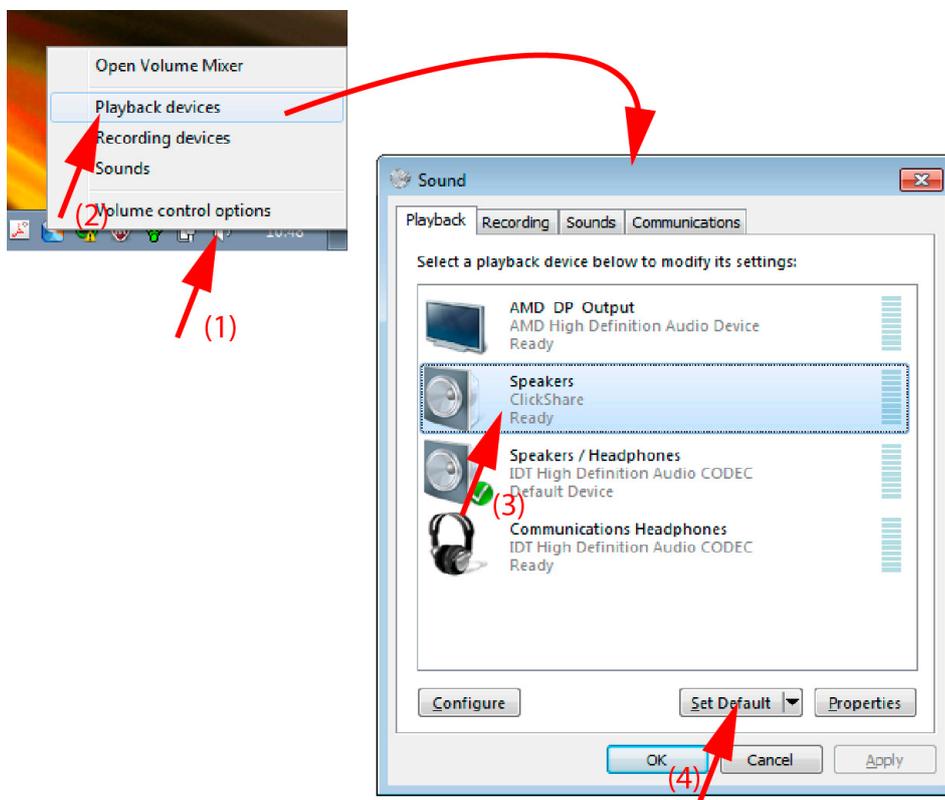


Image 3-13: Speakers ClickShare, default (example Windows 7)

- Click *Playback devices* (2).
The *Sound* window opens on the *Playback* tab.
- Select Speakers ClickShare (3) and click Set default (4).
- Click **Apply** or **OK** to activate the new setting.

Set ClickShare as default on MAC

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

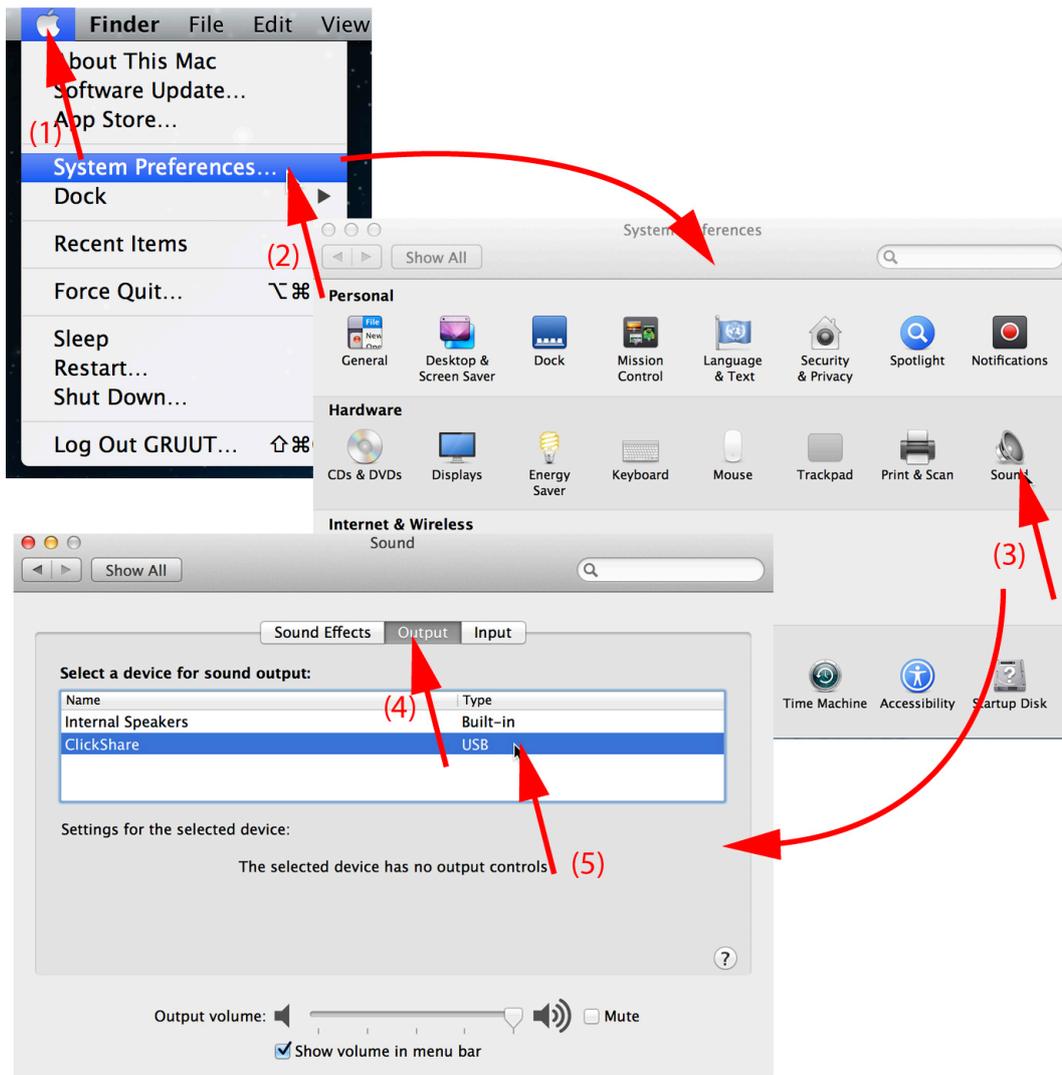


Image 3-14: Speakers ClickShare, default

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.

3.7 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 Base Unit are already paired to that 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.

Pairing a Button can be done in two ways:

- by plugging the Button to the Base Unit.
- by using the Button Manager application running on your laptop.

To pair a Button to the Base unit by plugging in

1. Insert the Button in one of the USB port available on the Base Unit you are using (image is only given as example, all USB connectors can be used).



Note: For some ports or Buttons, it can be necessary to use a convertor.

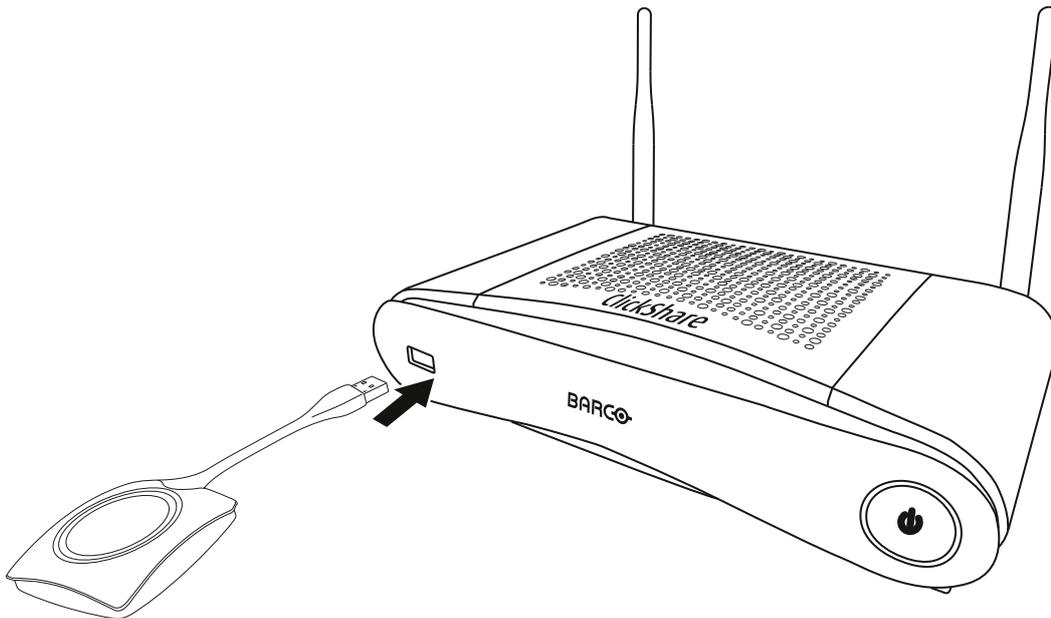


Image 3-15

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.

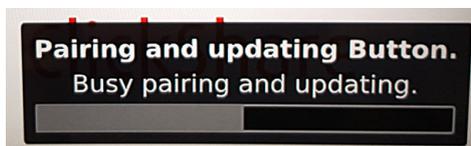


Image 3-16: Pairing message

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.

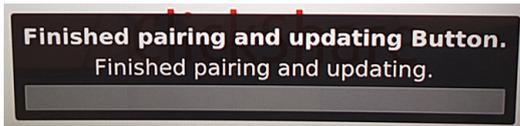


Image 3-17: Pairing finished

2. Unplug the Button from the Base Unit.

The Button is now ready for use.

To pair a Button to the Base Unit using the Button Manager

Via the Button Manager client application running on your laptop, up to 4 Buttons can be paired simultaneously to a Base Unit without plugging the Buttons to the Base Unit. The Buttons are plugged in to your laptop. For more information about the Button Manager, consult the Button Manager's user guide which can be downloaded from Barco's website.

3.8 Touchback

About touchback

The Touchback feature enables more interactive meetings.

When connecting a touch screen to your Base Unit, it is now possible to automatically interact with the presenter's computer with a simple touch. No need to install drivers, search for USB cables or work with a dedicated room system.

Actions done on the touch screen are automatically transferred to the presenter's screen. And as he is sharing his screen, the result will be visible on the touch screen.

This touchback functionality works only when a single presenter is sharing his screen.

Troubleshooting

4

4.1 Basic Troubleshooting

Problem solving

In this chapter some problems that might occur while using CSE-200 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 third person that wants to share the content to the display.	The first or second 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.

Problem	Cause	Solution
	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.
After inserting the Button into your laptop, you cannot find the ClickShare drive.	No automatic refresh of drives. Bad connection at USB port on laptop.	Refresh the view on your laptop. <ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Disable overlays or hardware acceleration in the GPU. • Disable AeroGlass in Windows 7 • Capture mode

Barco knowledge base and YouTube videos

Go to the product page on Barco's website and select in the right column **Support**. You will get access to Barco's *Knowledge base* and *Latest tutorial videos*. For more YouTube videos, consult <https://www.youtube.com/user/barcoTV> and select ClickShare.

Environmental information

5

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/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	x	0	x	0	0	0

Printed Circuit Assemblies 电(线)缆	x	0	x	0	0	0
Cables 底架	x	0	x	0	0	0
Chassis 电源供应器	x	0	x	0	0	0
Power Supply Unit 文件说明书	0	0	0	0	0	0
Paper Manuals						

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

限用物質含有情況標示聲明書 (Declaration of the Presence Condition of the Restricted Substances Marking) — Taiwan RoHS compliance

設備名稱： 影音共享控制中心， 型號 (型式)： CSE-200

Equipment name: wireless presentation system, Type designation: CSE-200

單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr6+)	多溴聯苯 Poly- brominat- ed biphenyl (PBB)	多溴二苯醚 Poly- brominated diphenyl ethers (PBDE)
電路板 Printed Circuit Assemblies	—	0	—	0	0	0

電 (線) 纜 Cables	—	○	—	○	○	○
機箱 Chassis	—	○	—	○	○	○
電源供應器 Power Supply Unit	—	○	○	○	○	○

備考1. “超出0.1 wt %”及“超出0.01 wt %”係指限用物質之百分比含量超出百分比含量基準值。

Note 1 : “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.

備考2. “○”係指該項限用物質之百分比含量未超出百分比含量基準值。

Note 2 : “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

備考3. “—”係指該項限用物質為排除項目。

Note 3 : The “—” indicates that the restricted substance corresponds to the exemption.

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.

