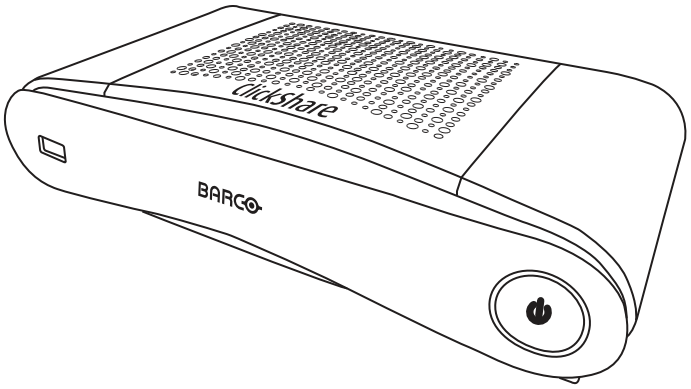
ClickShare CS-100 series

For CS-100 & CS-100 HUDDLE



User guide

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Barco ClickShare Product Specific End User License Agreement[1]

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

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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.
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PACKAGE	VERSION	SOURCE SITE
alsa-lib	1.1.7	ftp://ftp.alsa-project.org/pub/lib
alsa-utils	1.1.7	ftp://ftp.alsa-project.org/pub/utils
libsamplerate	0.1.9	http://www.mega-nerd.com/SRC
libsndfile	1.0.28	http://www.mega-nerd.com/libsndfile/files
ncurses	6.1	http://ftpmirror.gnu.org/ncurses
avahi	0.7	https://github.com/lathiat/avahi/releases/download/v0.7
dbus	1.12.16	https://dbus.freedesktop.org/releases/dbus
expat	2.2.7	http://downloads.sourceforge.net/project/expat/expat/2.2.7
libdaemon	0.14	http://0pointer.de/lennart/projects/libdaemon
libglib2	2.56.4	http://ftp.gnome.org/pub/gnome/sources/glib/2.56
libffi	v3.3-rc0	https://github.com/libffi/libffi/archive/v3.3-rc0
pcre	8.42	https://ftp.pcre.org/pub/pcre
util-linux	2.33	https://cdn.kernel.org/pub/linux/utils/util-linux/v2.33
readline	8.0	http://ftpmirror.gnu.org/readline
libzlib	1.2.11	http://www.zlib.net
bc	1.06.95	http://alpha.gnu.org/gnu/bc
bluez5_utils	5.50	https://cdn.kernel.org/pub/linux/bluetooth
eudev	3.2.7	http://dev.gentoo.org/~blueness/eudev
kmod	25	https://cdn.kernel.org/pub/linux/utils/kernel/kmod
busybox	1.29.3	http://www.busybox.net/downloads

PACKAGE	VERSION	SOURCE SITE
e2fsprogs	1.44.5	https://cdn.kernel.org/pub/linux/kernel/people/tytso/e2fsprogs/v1.44.5
i2c-tools	4.1	https://www.kernel.org/pub/software/utils/i2c-tools
ntp	4.2.8p13	https://www.eecis.udel.edu/~ntp/ntp_spool/ntp4/ntp-4.2
libevent	2.1.8-stable	https://github.com/libevent/libevent/releases/download/release-2.1.8-stable
libopenssl	1.1.1c	https://www.openssl.org/source
c-ares	1.15.0	http://c-ares.haxx.se/download
ca-certificates	20190110	http://snapshot.debian.org/archive/debian/20190513T145054Z/pool/main/c/ca-certificates
crda	4.14	https://git.kernel.org/pub/scm/linux/kernel/git/mcgrof/crda.git/snapshot
libgcrypt	1.8.4	https://gnupg.org/ftp/gcrypt/libgcrypt
libgpg-error	1.33	https://www.gnupg.org/ftp/gcrypt/libgpg-error
libnl	3.4.0	https://github.com/thom311/libnl/releases/download/libnl3_4_0
cryptsetup	2.0.6	https://cdn.kernel.org/pub/linux/utils/cryptsetup/v2.0
json-c	0.13.1	https://s3.amazonaws.com/json-c_releases/releases
lvm2	2.02.183	ftp://sources.redhat.com/pub/lvm2
libaio	0.3.111	https://releases.pagure.org/libaio
popt	1.16	http://rpm5.org/files/popt
devmem2	1	http://bootlin.com/pub/mirror
dhcp	4.3.6	http://ftp.isc.org/isc/dhcp/4.3.6
dnsmasq	2.79	http://thekelleys.org.uk/dnsmasq
dropbear	2018.76	https://matt.ucc.asn.au/dropbear/releases
ethtool	4.19	https://cdn.kernel.org/pub/software/network/ethtool
faad2	2.8.8	http://downloads.sourceforge.net/project/faac/faad2-src/faad2-2.8.0
ffmpeg	3.4.6	http://ffmpeg.org/releases
fontconfig	2.13.1	http://fontconfig.org/release
freetype	2.9.1	http://download.savannah.gnu.org/releases/freetype
libpng	1.6.37	http://downloads.sourceforge.net/project/libpng/libpng16/1.6.37
lame	3.100	http://downloads.sourceforge.net/project/lame/lame/3.100
libvorbis	1.3.6	http://downloads.xiph.org/releases/vorbis
libogg	1.3.3	http://downloads.xiph.org/releases/ogg
opus	1.3.1	https://downloads.xiph.org/releases/opus
speex	1.2.0	https://downloads.xiph.org/releases/speex
file	5.36	ftp://ftp.astron.com/pub/file

PACKAGE	VERSION	SOURCE SITE
imx-lib	3f777974c0-c146817e2ff5c-b0340ca66a1-f99e57	https://source.codeaurora.org/external/imx/imx-lib
kernel-module-imx-gpu-viv	bfa78-b095a892705-a09afe9514fc5-d236b3124d2	https://github.com/Freescale/kernel-module-imx-gpu-viv/archive/bfa78b095a892705a09afe9514fc5d236b3124d2
gnupg2	2.2.17	https://gnupg.org/ftp/gcrypt/gnupg
libassuan	2.5.2	ftp://ftp.gnupg.org/gcrypt/libassuan
libksba	1.3.5	ftp://ftp.gnupg.org/gcrypt/libksba
libnpth	1.6	https://www.gnupg.org/ftp/gcrypt/npth
libusb	1.0.22	https://github.com/libusb/libusb/releases/download/v1.0.22
sqlite	3280000	https://www.sqlite.org/2019
gssdp	1.0.2	http://ftp.gnome.org/pub/gnome/sources/gssdp/1.0
libsoup	2.62.3	http://ftp.gnome.org/pub/gnome/sources/libsoup/2.62
libxml2	2.9.9	http://xmlsoft.org/sources
gst1-plugins-bad	1.14.4	https://gstreamer.freedesktop.org/src/gst-plugins-bad
gst1-plugins-base	1.14.4	https://gstreamer.freedesktop.org/src/gst-plugins-base
gstreamer1	1.14.4	https://gstreamer.freedesktop.org/src/gstreamer
gst1-plugins-good	1.14.4	https://gstreamer.freedesktop.org/src/gst-plugins-good
pulseaudio	12.2	http://freedesktop.org/software/pulseaudio/releases
libtool	2.4.6	http://ftpmirror.gnu.org/libtool
hostapd	2.7	http://w1.fi/releases
input-event-daemon	v0.1.3	https://github.com/gandro/input-event-daemon/archive/v0.1.3
iperf	2.0.13	http://downloads.sourceforge.net/project/iperf2
iptables	1.8.2	https://netfilter.org/projects/iptables/files
iw	4.14	https://cdn.kernel.org/pub/software/network/iw
libjpeg	9c	http://www.ijg.org/files
libarchive	3.3.3	http://www.libarchive.org/downloads
libbsd	0.10.0	https://libbsd.freedesktop.org/releases
libcurl	7.65.3	https://curl.haxx.se/download
libestr	0.1.10	http://libestr.adiscon.com/files/download
libevdev	1.6.0	http://www.freedesktop.org/software/libevdev
libfastjson	v0.99.8	https://github.com/rsyslog/libfastjson/archive/v0.99.8
libhttpparser	v2.9.0	https://github.com/nodejs/http-parser/archive/v2.9.0
libical	1.0.1	https://github.com/libical/libical/releases/download/v1.0.1

PACKAGE	VERSION	SOURCE SITE
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	1.12.5	http://www.freedesktop.org/software/libinput
mtdev	1.1.4	http://bitmath.org/code/mtdev
liblogging	1.0.6	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	0.14	http://xorg.freedesktop.org/releases/individual/lib
libpthread-stubs	0.4	http://xcb.freedesktop.org/dist
libqrencode	4.0.0	http://fukuchi.org/works/qrencode
libsha1	0.3	https://github.com/dottedmag/libsha1/archive/0.3
libuv	v1.25.0	https://github.com/libuv/libuv/archive/v1.25.0
libzip	1.5.1	http://www.nih.at/libzip
lighttpd	1.4.53	http://download.lighttpd.net/lighttpd/releases-1.4.x
lm-sensors	V3-5-0	https://github.com/lm-sensors/lm-sensors/archive/V3-5-0
logrotate	3.13.0	https://github.com/logrotate/logrotate/archive/3.13.0
memtester	4.3.0	http://pyropus.ca/software/memtester/old-versions
monit	5.25.3	http://mmonit.com/monit/dist
netsnmp	5.8	https://downloads.sourceforge.net/project/net-snmp/net-snmp/5.8
nodejs	8.15.1	http://nodejs.org/dist/v8.15.1
pcre2	10.32	https://ftp.pcre.org/pub/pcre
php	7.3.9	http://www.php.net/distributions
protobuf	v2.6.1	https://github.com/google/protobuf/archive/v2.6.1
qt5base	5.12.4	https://download.qt.io/archive/qt/5.12/5.12.4/submodules
qt5declarative	5.12.4	https://download.qt.io/archive/qt/5.12/5.12.4/submodules
qt5xmlpatterns	5.12.4	https://download.qt.io/archive/qt/5.12/5.12.4/submodules
qt5imageformats	5.12.4	https://download.qt.io/archive/qt/5.12/5.12.4/submodules
qt5multimedia	5.12.4	https://download.qt.io/archive/qt/5.12/5.12.4/submodules
qt5quickcontrols	5.12.4	https://download.qt.io/archive/qt/5.12/5.12.4/submodules
qt5svg	5.12.4	https://download.qt.io/archive/qt/5.12/5.12.4/submodules
qt5websockets	5.12.4	https://download.qt.io/archive/qt/5.12/5.12.4/submodules
rsyslog	8.22.0	http://rsyslog.com/files/download/rsyslog
tslib	1.20	https://github.com/libts/tslib/releases/download/1.20
tzdata	2018e	http://www.iana.org/time-zones/repository/releases

PACKAGE	VERSION	SOURCE SITE
wireless-regdb	2019.06.03	https://cdn.kernel.org/pub/software/network/wireless-regdb
wireless_tools	30.pre9	https://hewlettpackard.github.io/wireless-tools
wpa_supplicant	2.7	http://w1.fi/releases
arphic-uming-fonts	20080216	http://archive.ubuntu.com/ubuntu/pool/main/t/ttf-arphic-uming
dejavu-fonts	2.34	http://downloads.sourceforge.net/project/dejavu/dejavu/2.34
sazanami-fonts	20040629	http://sourceforge.jp/projects/efont/downloads/10087
splashutils	1.5.4.4	http://dev.gentoo.org/~spock/projects/gensplash/archive
unfonts	1.0	http://kldp.net/frs/download.php/1425
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
gstreamer-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
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/
linux	4.1.15	https://mirrors.edge.kernel.org/pub/linux/kernel/v4.x/
rscode	1.3	https://sourceforge.net/projects/rscode/files/rscode/

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. Wi-Fi 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 Wi-Fi network is capable of operating in this mode, please restrict your Wi-Fi 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-R9861510

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: 21559-R9861580

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-R9861510 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: PIFA

Maximum Peak Gain: 5.85 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-R9861510

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-R9861510 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: PIFA

Gain maximum: 5.85 dBi

Impédance: 50

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1 Introduction

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1.1 Versions of the product

Regional versions

Depending on the location where you buy the CS-100, CS-100 HUDDLE product, the Base Unit and accessories are regionalized. By the time of release of this manual, 4 regional versions of CS-100, CS-100 HUDDLE are available:

- Europe & Japan
- North America
- China
- Rest of world

The regional version of your CS-100, CS-100 HUDDLE cannot be changed. That means that you cannot use it in another region.

For more information on the regional variants, refer to the CS-100, CS-100 HUDDLE Installation Guide.

1.2 About this guide

This manual

Partnumber	Description	Level
R5900024	User Guide	User

Available System documentation

This guide is part of the documentation set describing the CS-100, CS-100 HUDDLE product.

Guide	Article number
User Guide	R5900024
Installation Guide	R5900022
Safety Guide	R5900031 (CS-100), R5900092 (CS-100 HUDDLE)
Service Guide	R5900026
Button Guide	R5900007
Recycling Manual	R5900028
API Guide	R5900018

A printed copy of the Safety Guide is included in the CS-100, CS-100 HUDDLE box at purchase. User and installation manuals are available on Barco's website (*www.barco.com/clickshare*).

Depending on the CS-100, CS-100 HUDDLE 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 CS-100, CS-100 HUDDLE. 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 CS-100, CS-100 HUDDLE

2

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2.1 About the CS-100, CS-100 HUDDLE

CS-100, CS-100 HUDDLE sets

CS-100, CS-100 HUDDLE makes connecting to the meeting room's video system a matter of clicking a Button. This CS-100, CS-100 HUDDLE 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 4 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.

Components CS-100, CS-100 HUDDLE set

A standard CS-100 set consists of a Base Unit and 1 Button. A standard CS-100 HUDDLE set consists of only a Base Unit. Depending on the location where you buy the product, the software of the Base Unit is different. If needed, you can buy additional Buttons.

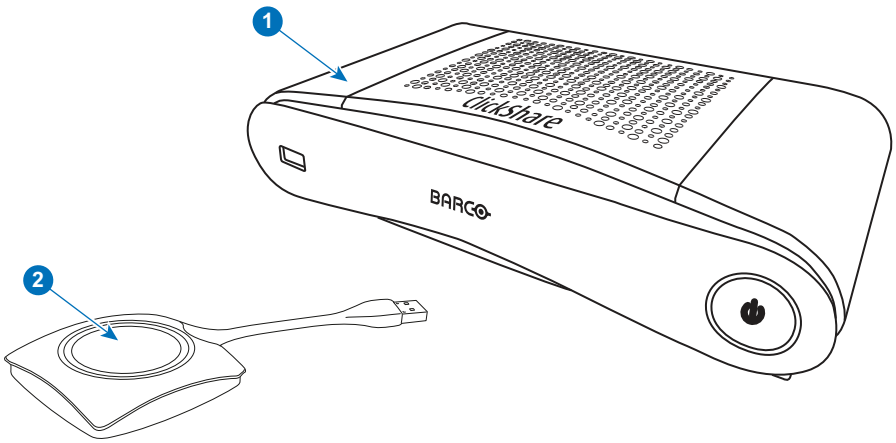


Image 2–1

1	Base Unit
2	Button (only for CS-100, optional for CS-100 HUDDLE)

Accessories included

Depending on the country where you buy the product, the following regionalized accessories can be included in the CS-100, CS-100 HUDDLE box.

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

Products for CS-100	Contains	Accessories included
R9861510xx[2]	• R9861510 • 1x R9861500D01	• DC adapter with AC clips type A, C, G, I[3] • Printed safety manual
R9861500D01	1x R9861500D01	
R9861500D01C	1x R9861500D01C	

Products for CS-100 HUDDLE	Contains	Accessories included
R9861510Hxx[2]	R9861510	• DC adapter with AC clips type A, C, G, I[3] • Printed safety manual

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.

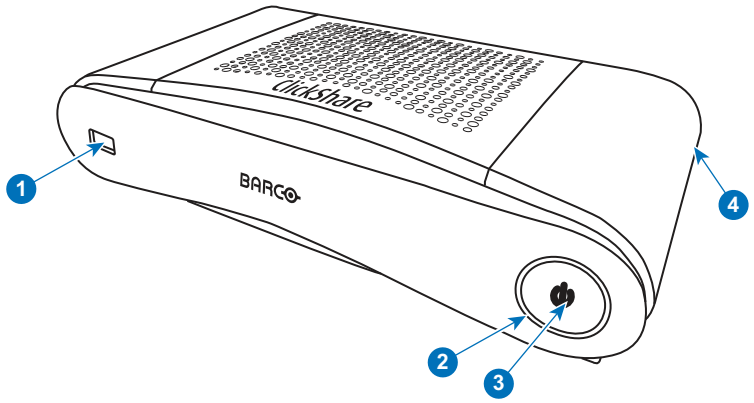


Image 2–2

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 gives 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

LEDs behavior	Explanation
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 into a pre-defined standby mode.
- When the system is in standby, a push triggers the system to start up and to go into normal operational mode.

Bluetooth

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

2.3 About the Button

Optional for CS-100 HUDDLE.

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.

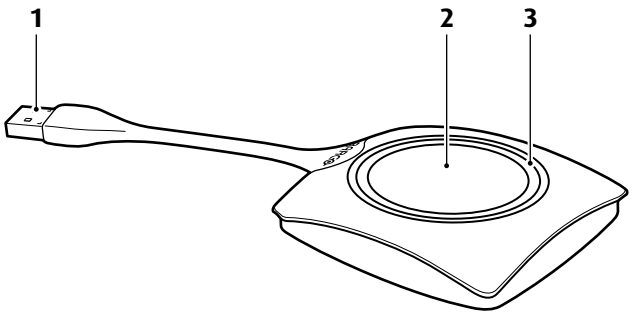


Image 2–3 Button layout

1	USB connector
2	Button
3	LED ring

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 use.

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.

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 30
3.2 Basic Use, with Button 30
3.3 Basic Use, with ClickShare desktop app 32
3.4 User Interface 35
3.5 Shared desktop: primary - extended 35
3.6 Audio configuration 37
3.7 Pairing 39

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 CS-100, CS-100 HUDDLE's installation manual.

Standby button

1. Push the button shortly.

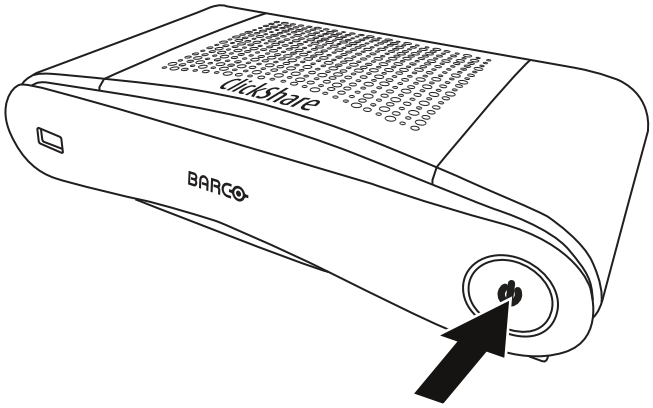


Image 3–1 Standby button

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

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

3.2 Basic Use, with Button

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 with a Button

1. Take a Button and Insert the Button into a USB port of your laptop. Depending on the USB port on your laptop and/or on the USB connector of the Button, a convertor must be used. This convertor is not delivered by Barco.

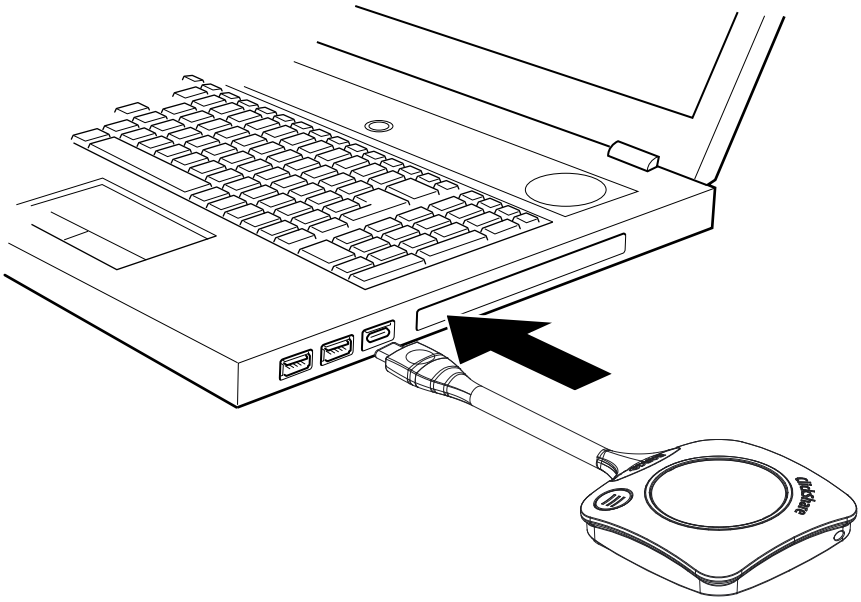


Image 3–2

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 go to step 4.
- For Windows environment: when connected to internet, driver will be installed and the executable will be started by the driver.
- For Mac environment: CD-ROM drive will appear, open it and launch the application to get started.
- nothing is pre-installed or no driver is automatically installed. To continue go to step 2.

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

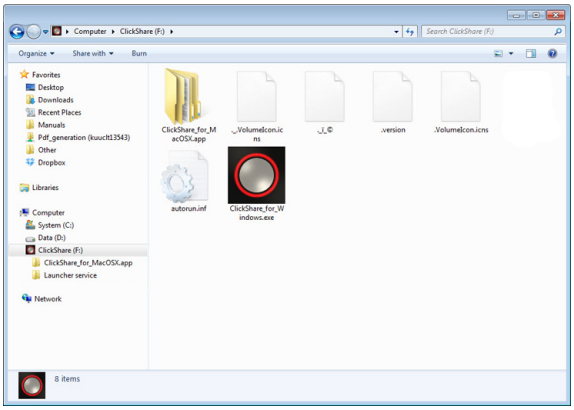


Image 3–3 Windows environment

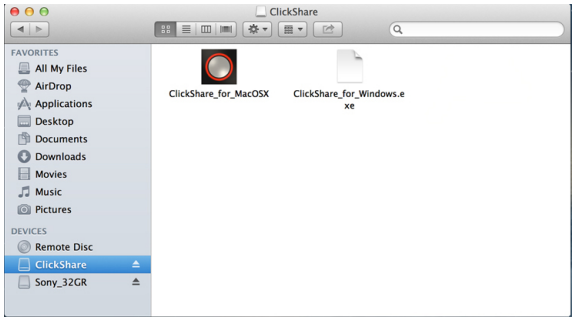


Image 3–4 MAC environment

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, the icon appears in the systray icon.

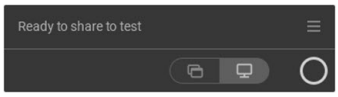


Image 3–5

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.

   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 freeze the content on the screen while you look up something on your PC, just click on freeze icon (1) next to the ClickShare icon. The icon will change to a release icon (2)

   To resume the content sharing, click on the the release icon (2).

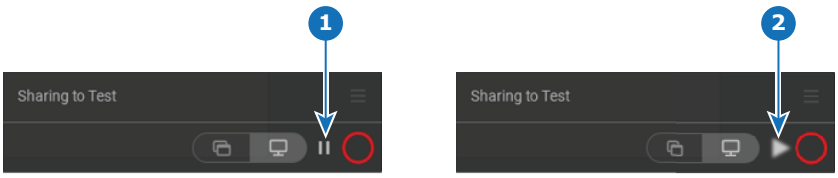


Image 3–6

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

   The LEDs of the Button become static white.

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

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

A second user will replace the first user on screen just be pressing on the Button, no long press is needed.

3.3 Basic Use, with ClickShare desktop app

About the ClickShare desktop app

With the ClickShare desktop app installed on your computer you can enter a meeting room and get on the screen in a few seconds.

The ClickShare desktop app connects to the meeting room screen in order to share your content. Presence detection technology is used to do so. The ClickShare desktop app uses Wi-Fi beacons and an inaudible audio signal to detect the most nearby meeting rooms and show a list of maximum 5 most nearby meeting rooms, sorted based on signal strength on your computer. Just click on your meeting room name. This means

you will never have to enter IP addresses or scroll long lists of meeting rooms before being connected to your meeting room.

The ClickShare desktop app can be used with or without a Button.

ClickShare desktop app installation

When the ClickShare desktop app is not pre-deployed in your IT environment, you can download and install the software without administrator rights from *www.clickshare.app* .

How to use

1. Enter a meeting room.

   The ClickShare desktop app will list up to 5 most nearby meeting rooms and sort them based on the signal strength.

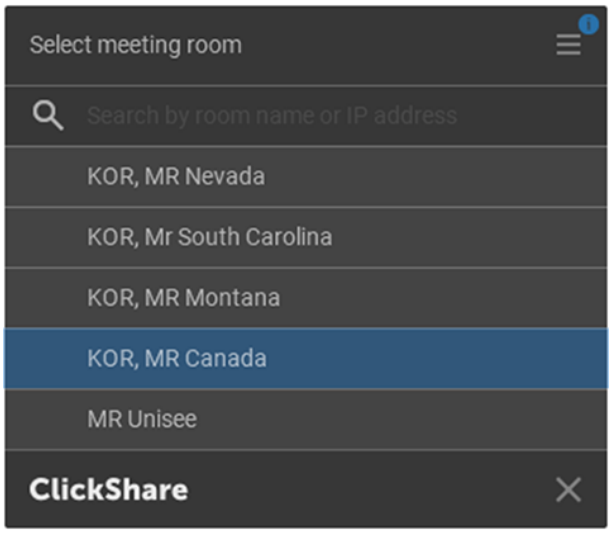


Image 3–7 Meeting room list

2. If the use of a pin is enabled on the Base Unit, the ClickShare desktop app will prompt you to enter the pin that is shown on the meeting room screen.

   Enabling the pin on the Base Unit (this can be done in the ClickShare Configurator) provides an additional layer of security. This way you will never share your content to the wrong meeting room screen.

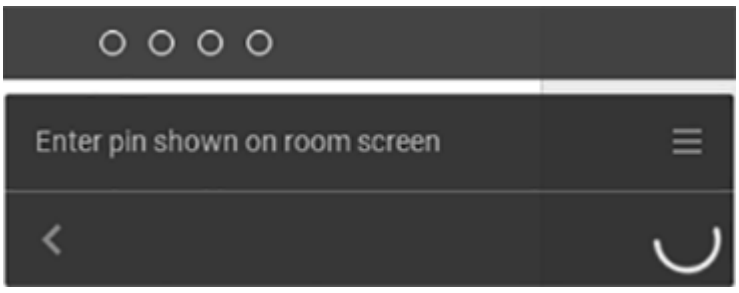


Image 3–8 Enter pin

After having entered the pin, the ClickShare desktop app will connect to the meeting room.

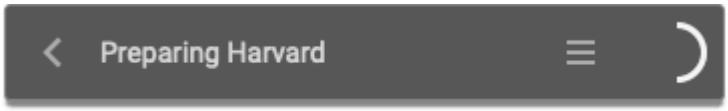


Image 3–9 Prepare connection

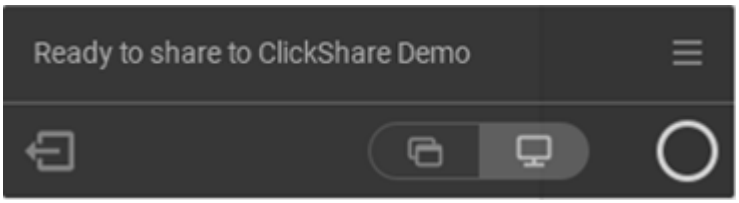


Image 3–10 Ready to share

3. Click the white circle to start sharing your content.

   When the sharing is started, the ClickShare desktop app will minimize to the side through an animation. A subtle red bar remains visible on your screen.

   Hover over the red bar on the side to open the full interface of the ClickShare app.to either pause your sharing session and freeze the content on the screen while you work on your laptop (invisible for people in the meeting room), to change what you are sharing (a single application or your full screen) or to stop sharing (by clicking on the red circle).



Image 3–11

4. Stop sharing by hovering over circle and clicking on the full red circle.

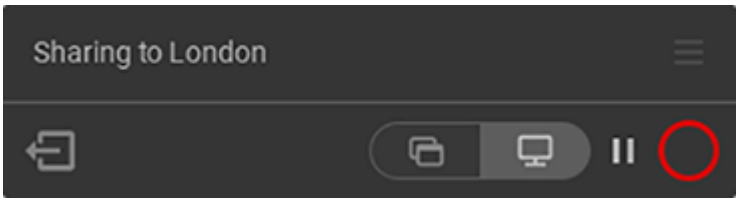


Image 3–12

5. Disconnect from the meeting room by clicking the “leave room” icon

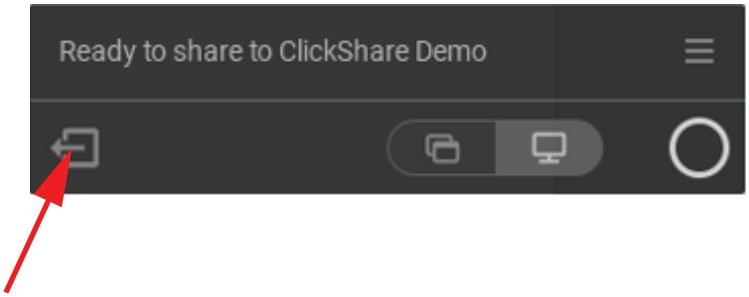


Image 3–13 Leave meeting room

or

when you walk away from the meeting room the app will show a message indicating you probably left the meeting room and you are still connected to the screen.

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. Click the hamburgen menu icon in the ready message.

   The context menu appears. The content depends on the functionality of your device.

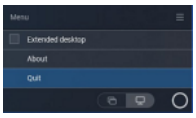


Image 3–14 Context menu

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

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 3–15

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



Image 3–16

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



Image 3–17

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 desk top feature, press *Window key* + *P*. It should bring up the following pop-up on screen:

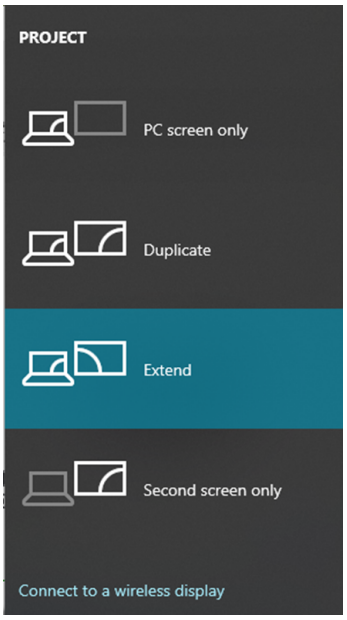


Image 3–18

How to select

1. Click on the app sharing icon in the middle-bottom of Main UI.

   A thumbnail view opens.

   More that one extended desktop can be shown, depends on how many extend screen been connected.

2. Click on the extended desktop view to share it on the meeting room display.

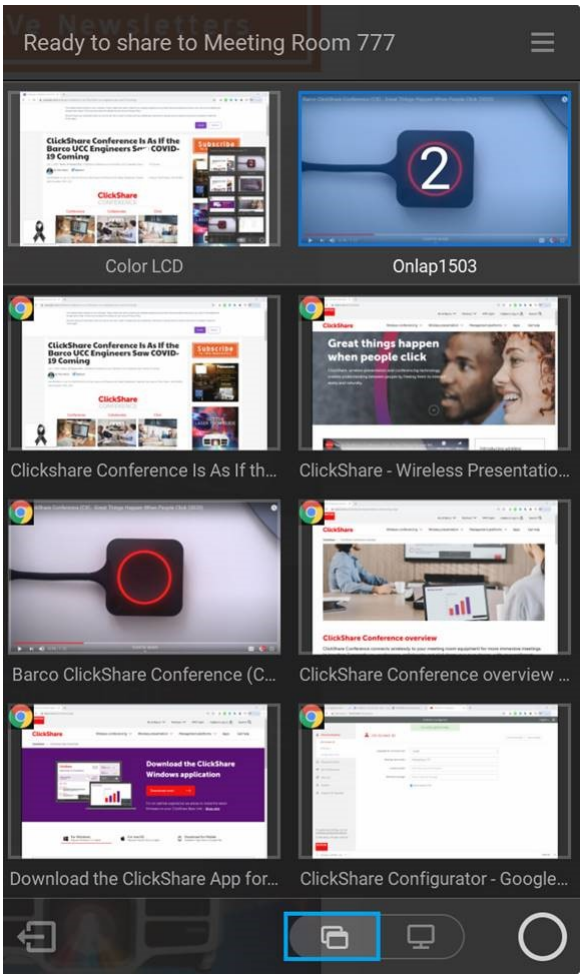


Image 3–19

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 10

1. Click on the speaker icon in the system tray.

   The current setting opens.

2. Click on the up arrow in the upper right corner to open the possible selections.

3. Select Speakers ClickShare.

Set ClickShare as default in Windows 7

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

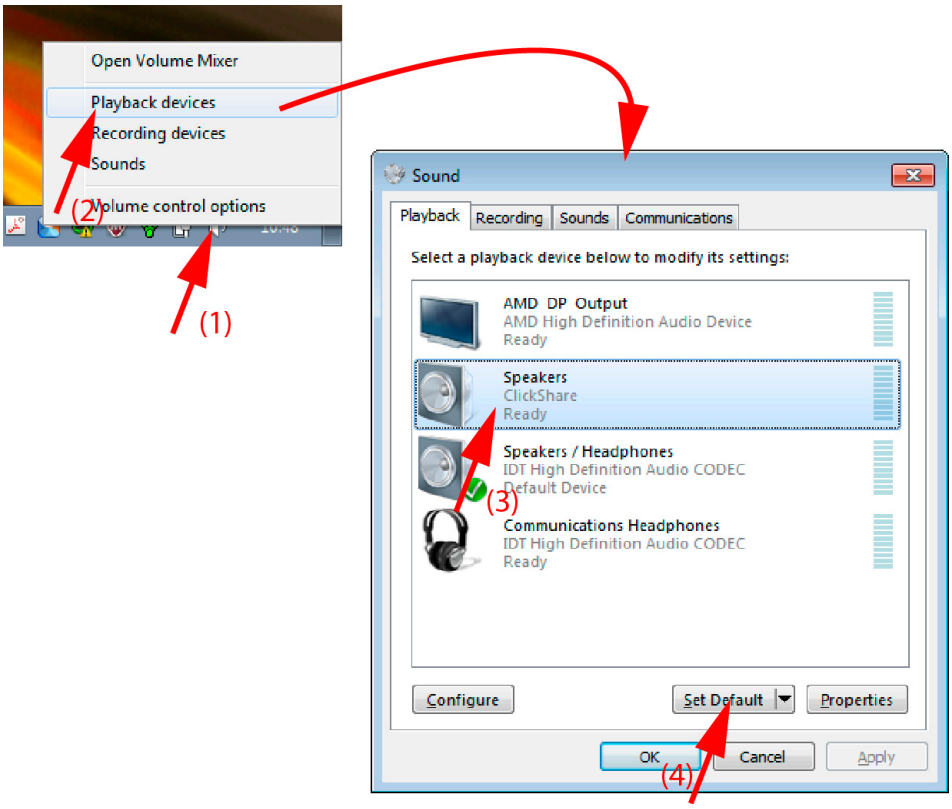


Image 3–20 Speakers ClickShare, default (example Windows 7)

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).

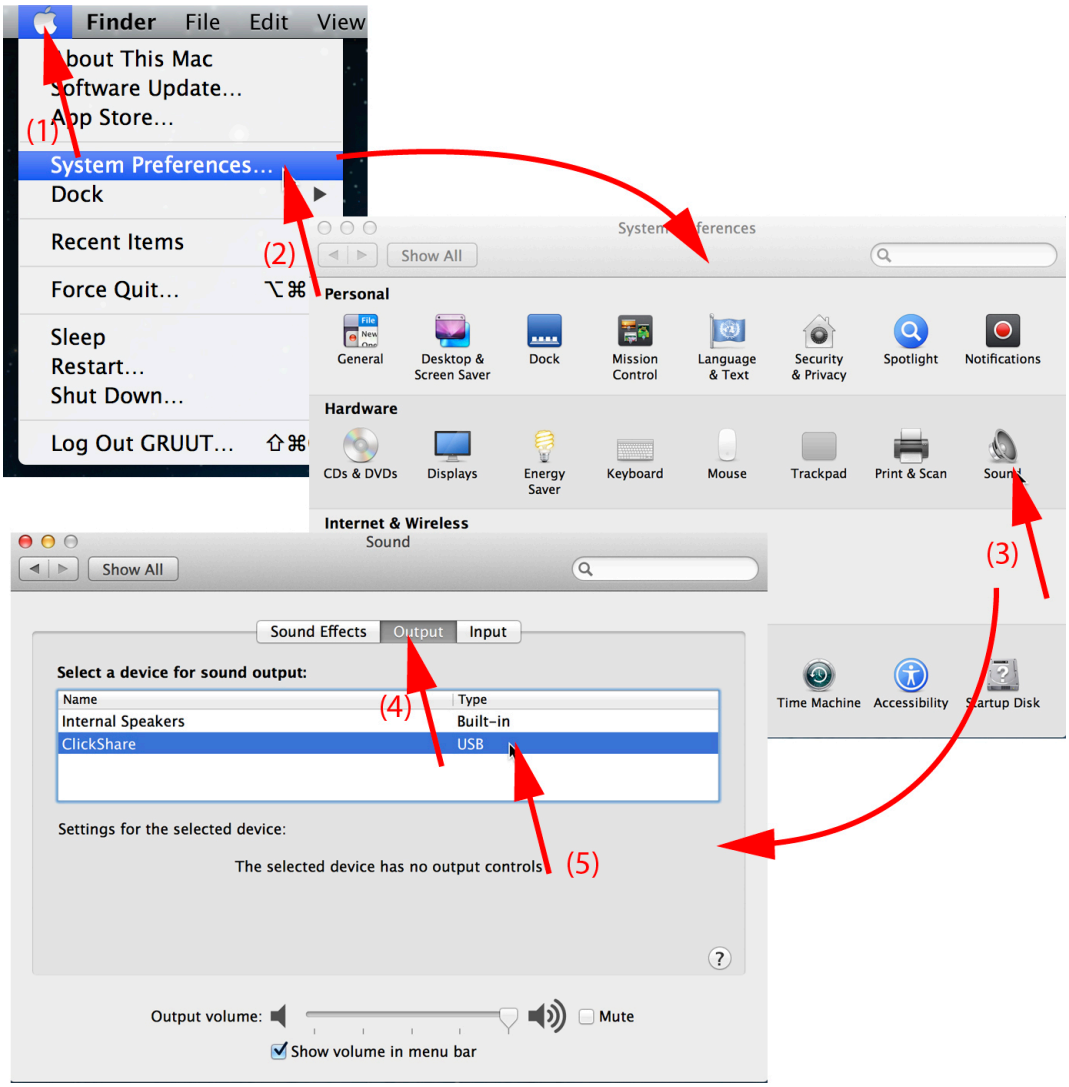


Image 3–21 Speakers ClickShare, default

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. When downgrading or updating to an older version of the Base Unit software the Buttons need to 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.

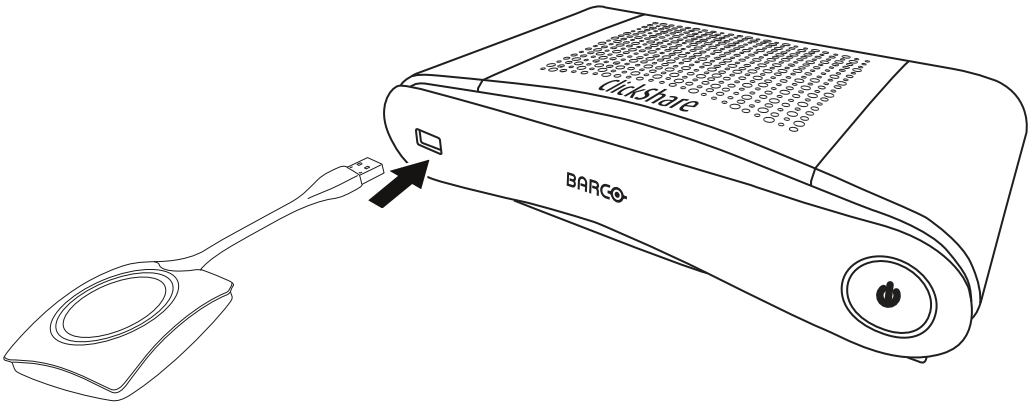


Image 3–22 Pair Button

   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.
   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.

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.

4 Troubleshooting

4.1 Basic Troubleshooting

Problem solving

In this chapter some problems that might occur while using CS-100, CS-100 HUDDLE 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 second person that wants to share the content to the display.	The first user has to push his button to remove his content so that a second user can share his content. or As second user, click 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.
	Your audio settings may be wrong	You or an administator should change the corresponding setting via the web interface.
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.

Problem	Cause	Solution
	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 will be shown.
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 to not mount USB drives	Contact you 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

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) Component Name	有毒有害物质或元素 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

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）： CS-100

Equipment name: wireless presentation system, Type designation: CS-100

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

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

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 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*.

BARCO

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