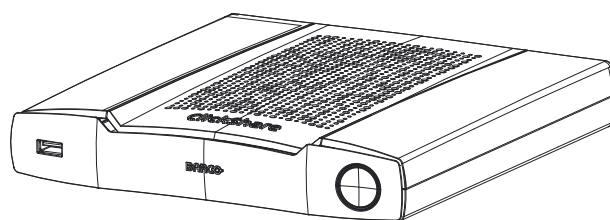


CX-50



User guide

Barco NV

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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.

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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.

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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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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**

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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/utils
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	0.7	https://github.com/lathiat/avahi/releases/download/v0.7
dbus	1.10.16	http://dbus.freedesktop.org/releases/dbus
expat	2.2.2	http://downloads.sourceforge.net/project/expat/expat/2.2.2
libselinux	2.6	https://raw.githubusercontent.com/SELinuxProject/selinux/files/releases/20161014
libsepol	2.6	https://raw.githubusercontent.com/SELinuxProject/selinux/files/releases/20161014
pcre	8.41	https://ftp.pcre.org/pub/pcre
xlib_libSM	1.2.2	http://xorg.freedesktop.org/releases/individual/lib
xlib_libICE	1.0.9	http://xorg.freedesktop.org/releases/individual/lib
xlib_xtrans	1.3.5	http://xorg.freedesktop.org/releases/individual/lib
xproto_xproto	7.0.31	http://xorg.freedesktop.org/releases/individual/proto
xlib_libX11	1.6.4	http://xorg.freedesktop.org/releases/individual/lib
libxcb	1.12	http://xcb.freedesktop.org/dist
libpthread-stubs	0.3	http://xcb.freedesktop.org/dist
xcb-proto	1.12	http://xcb.freedesktop.org/dist
xlib_libXau	1.0.8	http://xorg.freedesktop.org/releases/individual/lib
xutil_util-macros	1.19.1	http://xorg.freedesktop.org/releases/individual/util

PACKAGE	VERSION	SOURCE SITE
xlib_libXdmcp	1.1.2	http://xorg.freedesktop.org/releases/individual/lib
xproto_inputproto	2.3.2	http://xorg.freedesktop.org/releases/individual/proto
xproto_kbproto	1.0.7	http://xorg.freedesktop.org/releases/individual/proto
xproto_xextproto	7.3.0	http://xorg.freedesktop.org/releases/individual/proto
xproto_xf86bigfontproto	1.2.0	http://xorg.freedesktop.org/releases/individual/proto
libdaemon	0.14	http://0pointer.de/lennart/projects/libdaemon
glib2	2.50.2	http://ftp.gnome.org/pub/gnome/sources/glib/2.50
elfutils	0.169	https://sourceware.org/elfutils/ftp/0.169
bzip2	1.0.6	http://www.bzip.org/1.0.6
zlib	1.2.11	http://www.zlib.net
libffi	3.2.1	ftp://sourceware.org/pub/libffi
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
linux-pam	1.3.0	http://linux-pam.org/library
flex	2.5.37	http://download.sourceforge.net/project/flex
python3	3.5.2	http://python.org/ftp/python/3.5.2
readline	7.0	http://ftpmirror.gnu.org/readline
bellagio	0.9.3	http://downloads.sourceforge.net/project/omxil/omxil/Bellagio%200.9.3
bitstream	1.1	https://get.videolan.org/bitstream/1.1
bluez5_utils	5.43	https://cdn.kernel.org/pub/linux/bluetooth
libical	1.0.1	https://github.com/libical/libical/releases/download/v1.0.1
eudev	3.2.1	http://dev.gentoo.org/~blueness/eudev
kmod	23	https://cdn.kernel.org/pub/linux/utils/kernel/kmod
bridge-utils	1.6	https://cdn.kernel.org/pub/linux/utils/net/bridge-utils
ca-certificates	20161130	http://snapshot.debian.org/archive/debian/20161205T153846Z/pool/main/c/ca-certificates
collectd	5.7.1	http://collectd.org/files
libgcrypt	1.7.9	https://gnupg.org/ftp/gcrypt/libgcrypt
libgpg-error	1.26	ftp://ftp.gnupg.org/gcrypt/libgpg-error
lm-sensors	3.4.0	http://snapshot.debian.org/archive/debian/20170208T211941Z/pool/main/l/lm-sensors
crda	3.18	https://cdn.kernel.org/pub/software/network/crda
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	ftp://sources.redhat.com/pub/lvm2/releases
popt	1.16	http://rpm5.org/files/popt
dhcpc	4.3.5	http://ftp.isc.org/isc/dhcpc/4.3.5
dmidecode	3.0	http://download.savannah.gnu.org/releases/dmidecode
dnsmasq	2.78	http://thekelleys.org.uk/dnsmasq
dosfstools	4.0	https://github.com/dosfstools/dosfstools/releases/download/v4.0
dropbear	2017.75	http://matt.ucc.asn.au/dropbear/releases
dvblast	3.0	https://get.videolan.org/dvblast/3.0
libev	4.22	http://dist.schmorp.de/libev/Attic
e2fsprogs	1.43.3	https://cdn.kernel.org/pub/linux/kernel/people/tytso/e2fsprogs/v1.43.3
faad2	2.8.1	http://downloads.sourceforge.net/project/faac/faad2-src/faad2-2.8.0
fbv	1.0b	http://s-tech.elsat.net.pl/fbv
giflib	5.1.4	http://downloads.sourceforge.net/project/giflib
jpeg-turbo	1.5.1	http://downloads.sourceforge.net/project/libjpeg-turbo/1.5.1
libpng	1.6.28	http://downloads.sourceforge.net/project/libpng/libpng16/1.6.28
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
libva	1.8.3	https://github.com/01org/libva/releases/download/1.8.3
libdrm	2.4.82	http://dri.freedesktop.org/libdrm
mesa3d	17.2.8	https://mesa.freedesktop.org/archive
libva-dummy	1.8.3	https://github.com/01org/libva/releases/download/1.8.3
xlib_libXext	1.3.3	http://xorg.freedesktop.org/releases/individual/lib
xlib_libXfixes	5.0.3	http://xorg.freedesktop.org/releases/individual/lib
xproto_fixesproto	5.0	http://xorg.freedesktop.org/releases/individual/proto
libvdpau	1.1.1	http://people.freedesktop.org/~aplattner/vdpau
xproto_dri2proto	2.8	http://xorg.freedesktop.org/releases/individual/proto
xlib_libXdamage	1.1.4	http://xorg.freedesktop.org/releases/individual/lib
xproto_damageproto	1.2.1	http://xorg.freedesktop.org/releases/individual/proto
xlib_libXxf86vm	1.1.4	http://xorg.freedesktop.org/releases/individual/lib
xproto_xf86vidmodeproto	2.3.1	http://xorg.freedesktop.org/releases/individual/proto
xlib_libxshmfence	1.2	http://xorg.freedesktop.org/releases/individual/lib
xproto_dri3proto	1.0	http://xorg.freedesktop.org/releases/individual/proto

PACKAGE	VERSION	SOURCE SITE
xproto_glxproto	1.4.17	http://xorg.freedesktop.org/releases/individual/proto
xproto_presentproto	1.1	http://xorg.freedesktop.org/releases/individual/proto
xproto_xf86driproto	2.1.1	http://xorg.freedesktop.org/releases/individual/proto
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
flashrom	0.9.8	http://download.flashrom.org/releases
libftdi	0.20	http://www.intra2net.com/en/developer/libftdi/download
libusb	1.0.20	https://github.com/libusb/libusb/releases/download/v1.0.20
libusb-compat	0.1.5	http://downloads.sourceforge.net/project/libusb/libusb-compat-0.1/libusb-compat-0.1.5
pciutils	3.5.2	https://cdn.kernel.org/pub/software/utils/pciutils
gdb	7.11.1	http://ftpmirror.gnu.org/gdb
gnu-efi	3.0.1	http://downloads.sourceforge.net/project/gnu-efi
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
libpthsem	2.0.8	http://www.auto.tuwien.ac.at/~mkoegler/pth
gst1-libav	1.12.5	http://gstreamer.freedesktop.org/src/gst-libav
gst1-plugins-base	1.12.5	https://gstreamer.freedesktop.org/src/gst-plugins-base
gstreamer1	1.12.5	https://gstreamer.freedesktop.org/src/gstreamer
xlib_libXv	1.0.11	http://xorg.freedesktop.org/releases/individual/lib
xproto_videoproto	2.3.3	http://xorg.freedesktop.org/releases/individual/proto
gst1-plugins-bad	1.12.5	https://gstreamer.freedesktop.org/src/gst-plugins-bad
libglu	9.0.0	http://cgit.freedesktop.org/mesa/glu/snapshot
xlib_libXrender	0.9.10	http://xorg.freedesktop.org/releases/individual/lib
xproto_renderproto	0.11.1	http://xorg.freedesktop.org/releases/individual/proto
gst1-plugins-good	1.12.5	https://gstreamer.freedesktop.org/src/gst-plugins-good
libv4l	1.12.2	http://linuxtv.org/downloads/v4l-utils
qt5base	5.6.3	http://download.qt.io/official_releases/qt/5.6/5.6.3/submodules
libxkbcommon	0.7.1	http://xkbcommon.org/download

PACKAGE	VERSION	SOURCE SITE
xcb-util-image	0.4.0	http://xcb.freedesktop.org/dist
xcb-util	0.3.9	http://xcb.freedesktop.org/dist
xcb-util-keysyms	0.4.0	http://xcb.freedesktop.org/dist
xcb-util-wm	0.4.1	http://xcb.freedesktop.org/dist
pulseaudio	12.2	http://freedesktop.org/software/pulseaudio/releases
libtool	2.4.6	http://ftpmirror.gnu.org/libtool
gst1-vaapi	1.12.5	https://gstreamer.freedesktop.org/src/gstreamer-vaapi
htop	2.0.2	http://hisham.hm/htop/releases/2.0.2
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
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
libdri2	1.0.0	https://github.com/robclark/libdri2/archive/4f1eef3183df2b270c3d5cbef07343ee5127a6a4
libedit	20150325-3.1	http://www.thrysoee.dk/editline
libepoxy	v1.3.1	https://github.com/anholt/libepoxy/archive/v1.3.1
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
liblogging	1.0.5	http://download.rsyslog.com/liblogging
libpcap	1.8.1	http://www.tcpdump.org/release
libpciaccess	0.13.4	http://xorg.freedesktop.org/releases/individual/lib
libqrencode	3.4.2	http://fukuchi.org/works/qrencode
libsha1	0.3	https://github.com/dottedmag/libsha1/archive/0.3
libyaml	0.1.6	http://pyyaml.org/download/libyaml
lighttpd	1.4.45	http://download.lighttpd.net/lighttpd/releases-1.4.x
linux-firmware	unknown	http://git.kernel.org/pub/scm/linux/kernel/git/firmware/linux-firmware.git
logrotate	3.11.0	https://github.com/logrotate/logrotate/archive/3.11.0

PACKAGE	VERSION	SOURCE SITE
memtester	4.3.0	http://pyropus.ca/software/memtester/old-versions
monit	5.20.0	http://mmonit.com/monit/dist
mtdev	1.1.4	http://bitmath.org/code/mtdev
netcat	0.7.1	http://downloads.sourceforge.net/project/netcat/netcat/0.7.1
netsnmp	5.7.3	http://downloads.sourceforge.net/project/net-snmp/net-snmp/5.7.3
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
opkg	v0.3.1	http://git.yoctoproject.org/git/opkg
opus-tools	0.1.9	http://downloads.xiph.org/releases/opus
php	7.1.7	http://www.php.net/distributions
sqlite	3160200	http://www.sqlite.org/2017
pixman	0.34.0	http://xorg.freedesktop.org/releases/individual/lib
powertop	2.7	https://01.org/sites/default/files/downloads/powertop
protobuf	v2.6.1	https://github.com/google/protobuf/archive/v2.6.1
python-pyyaml	3.12	https://pypi.python.org/packages/4a/85/db5a2df477072b2902b0eb892feb37d88ac635-d36245a72a6a69b23b383a
python-serial	3.1	https://pypi.python.org/packages/ce/9c/694ce79a9d4a164e109aeba1a40fba23336f3-b7554978553e22a5d41d54d
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
qt5serialport	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
qt5x11extras	5.6.3	http://download.qt.io/official_releases/qt/5.6/5.6.3/submodules
ramspeed	2.6.0	http://www.alasir.com/software/ramspeed
rsync	3.1.2	http://rsync.samba.org/ftp/rsync/src
rsyslog	8.22.0	http://rsyslog.com/files/download/rsyslog
strace	4.15	http://downloads.sourceforge.net/project/strace/strace/4.15
tcpdump	4.9.2	http://www.tcpdump.org/release
tpm-tools	1.3.8	http://downloads.sourceforge.net/project/trousers/tpm-tools/1.3.8
trousers	0.3.13	http://downloads.sourceforge.net/project/trousers/trousers/0.3.13

PACKAGE	VERSION	SOURCE SITE
tzdata	2016j	http://www.iana.org/time-zones/repository/releases
unzip	60	ftp://ftp.info-zip.org/pub/infozip/src
usbutils	8	https://cdn.kernel.org/pub/linux/utils/usb/usbutils
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
xapp_beforelight	1.0.5	http://xorg.freedesktop.org/releases/individual/app
xlib_libXScrnSaver	1.2.2	http://xorg.freedesktop.org/releases/individual/lib
xproto_scnssaverproto	1.2.2	http://xorg.freedesktop.org/releases/individual/proto
xlib_libXaw	1.0.13	http://xorg.freedesktop.org/releases/individual/lib
xlib_libXmu	1.1.2	http://xorg.freedesktop.org/releases/individual/lib
xlib_libXt	1.1.5	http://xorg.freedesktop.org/releases/individual/lib
xlib_libXpm	3.5.12	http://xorg.freedesktop.org/releases/individual/lib
xapp_xauth	1.0.10	http://xorg.freedesktop.org/releases/individual/app
xapp_xclock	1.0.7	http://xorg.freedesktop.org/releases/individual/app
xlib_libXft	2.3.2	http://xorg.freedesktop.org/releases/individual/lib
xlib_libxkbfile	1.0.9	http://xorg.freedesktop.org/releases/individual/lib
xapp_xinit	1.3.4	http://xorg.freedesktop.org/releases/individual/app
xapp_xinput-calibrator	0.7.5	http://github.com/downloads/tias/xinput_calibrator
xlib_libXi	1.7.9	http://xorg.freedesktop.org/releases/individual/lib
xapp_xinput	1.6.2	http://xorg.freedesktop.org/releases/individual/app
xlib_libXinerama	1.1.3	http://xorg.freedesktop.org/releases/individual/lib
xproto_xineramaproto	1.2.1	http://xorg.freedesktop.org/releases/individual/proto
xlib_libXrandr	1.5.1	http://xorg.freedesktop.org/releases/individual/lib
xproto_randrproto	1.5.0	http://xorg.freedesktop.org/releases/individual/proto
xapp_xkbcomp	1.3.1	http://xorg.freedesktop.org/releases/individual/app
xapp_xrandr	1.5.0	http://xorg.freedesktop.org/releases/individual/app
xdata_xbitmaps	1.1.1	http://xorg.freedesktop.org/releases/individual/data
xdriver_xf86-input-evdev	2.10.5	http://xorg.freedesktop.org/releases/individual/driver
xserver_xorg-server	1.19.5	https://xorg.freedesktop.org/archive/individual/xserver
xfont_font-util	1.3.1	http://xorg.freedesktop.org/releases/individual/font
xkeyboard-config	2.20	http://www.x.org/releases/individual/data/xkeyboard-config
xlib_libXcomposite	0.4.4	http://xorg.freedesktop.org/releases/individual/lib

PACKAGE	VERSION	SOURCE SITE
xproto_compositeproto	0.4.2	http://xorg.freedesktop.org/releases/individual/proto
xlib_libXcursor	1.1.14	http://xorg.freedesktop.org/releases/individual/lib
xlib_libXfont2	2.0.1	http://xorg.freedesktop.org/releases/individual/lib
xfont_encodings	1.0.4	http://xorg.freedesktop.org/releases/individual/font
xlib_libfontenc	1.1.3	http://xorg.freedesktop.org/releases/individual/lib
xproto_fontsproto	2.1.3	http://xorg.freedesktop.org/releases/individual/proto
xlib_libXres	1.0.7	http://xorg.freedesktop.org/releases/individual/lib
xproto_resourceproto	1.2.0	http://xorg.freedesktop.org/releases/individual/proto
xproto_bigreqsproto	1.1.2	http://xorg.freedesktop.org/releases/individual/proto
xproto_xcmiscproto	1.2.2	http://xorg.freedesktop.org/releases/individual/proto
xproto_xf86dgaproto	2.1	http://xorg.freedesktop.org/releases/individual/proto
xdriver_xf86-video-amdgpu	1.4.0	http://xorg.freedesktop.org/releases/individual/driver
xfont_font-alias	1.0.3	http://xorg.freedesktop.org/releases/individual/font
xfont_font-cursor-misc	1.0.3	http://xorg.freedesktop.org/releases/individual/font
xfont_font-misc-misc	1.1.2	http://xorg.freedesktop.org/releases/individual/font
xterm	327	http://invisible-mirror.net/archives/xterm
zip	30	ftp://ftp.info-zip.org/pub/infozip/src
splashutils	1.5.4.4	http://dev.gentoo.org/~spock/projects/gensplash/archive
devmem2	1	http://free-electrons.com/pub/mirror
efibootmgr	14	https://github.com/rhinstaller/efibootmgr/archive/14
efivar	30	https://github.com/rhinstaller/efivar/archive/30
fbset	2.1	http://users.telenet.be/geertu/Linux/fbdev
gzip	1.8	http://ftpmirror.gnu.org/gzip
i2c-tools	v3.1.2	git://git.kernel.org/pub/scm/utils/i2c-tools/i2c-tools.git
parted	3.2	http://ftpmirror.gnu.org/parted
tar	1.29	http://ftpmirror.gnu.org/tar
linux	v4.9.90	https://mirrors.edge.kernel.org/pub/linux/kernel/v4.x/
ibmswtpm	4720	https://sourceforge.net/projects/ibmswtpm/files/
grub	2.02-beta2	https://github.com/coreos/grub/releases
rockbox	v3.10	https://github.com/Rockbox/rockbox/tree/v3.10
libcap	2.25	https://www.kernel.org/pub/linux/libs/security/linux-privs/libcap2
mtid	1.5.2	ftp://ftp.infradead.org/pub/mtid-utils

PACKAGE	VERSION	SOURCE SITE
procps-ng	3.3.12	http://downloads.sourceforge.net/project/procps-ng/Production
hidapi	0.5.2	https://github.com/signal11/hidapi
libresample	0.1.3	ftp://ftp.ubuntu.com/ubuntu/pool/universe/libr/libresample
linux	3.1.0	https://mirrors.edge.kernel.org/pub/linux/kernel/v3.x/
alsa-plugins	1.1.1	ftp://ftp.alsa-project.org/pub/plugins
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
unfonts	1.0	http://kldp.net/frs/download.php/1425
efitools	v1.7.0	git://git.kernel.org/pub/scm/linux/kernel/git/jejb/efitools.git
hostapd	2.7	http://w1.fi/releases
wpa_supplicant	2.7	http://w1.fi/releases
microstack	0.0.69	www.meshcommander.com/upnptools

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-R9861521

Button FCC ID (model R9861600D01C): 2AAED-R9861600D01

ClickShare Button 2AAED-R9861600D01 has been tested and meets the FCC RF exposure guidelines. The maximum SAR value reported is 1.18 W/kg.

ClickShare button 2AAED-R9861600D01 should be installed and operated with a minimum distance of 5 mm between the radiator and your body.

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-R9861521

Button IC (model R9861600D01C): 9393B-R9861600D01

IC Antenna statement

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

This radio transmitter 21559-R9861521 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.

Indoor use only warning

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

Canada, avis d'Industry Canada (IC)

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

Informations concernant l'exposition aux fréquences radio (RF)

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

Avertissement: L'exposition aux rayonnements fréquences radio

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

IC Unité de Base: 21559-R9861521

IC Button (model R9861600D01C): 9393B-R9861600D01

Déclaration d'antenne d'Industrie Canada (IC)

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

Le présent émetteur radio 21559-R9861521 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.

Utilisation à l'intérieur seulement

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

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 CX-50 product, the Base Unit and accessories are regionalized. By the time of release of this manual, 6 regional versions of CX-50 are available:

- EU
- US
- NA
- CN
- ZH
- RW



The regional version of your CX-50 cannot be changed. That means that you cannot use it in another region.

For more information on the regional variants, refer to the CX-50 Installation Guide.

1.2 About this guide

About the documentation

This user guide explains the practical use of the CX-50 .

Available System documentation

This guide is part of the documentation set describing the CX-50 product.

Guide	Article number
User Guide	R5900095
Installation Guide	R5900096
Safety Guide	R5900094
Service Guide	R5900097
Recycling Manual	R5900029
API Guide	R5900056

A printed copy of the Safety Guide is included in the CX-50 box at purchase.

The User Guide describes how to use your CX-50. It also contains a basic troubleshooting part where you can search for a solution when a problem occurs.



Depending on the CX-50 version, some graphics might be different to the ones used in this manual. This however does not have any effect on the functionality.

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 CX-50

2

Overview

- About the CX-50
- About the Base Unit
- About the Button

2.1 About the CX-50

CX-50 sets (XXX)

CX-50 makes connecting to the meeting room's video system a matter of clicking a Button.

This CX-50 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 6 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 CX-50 set

A standard CX-50 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.

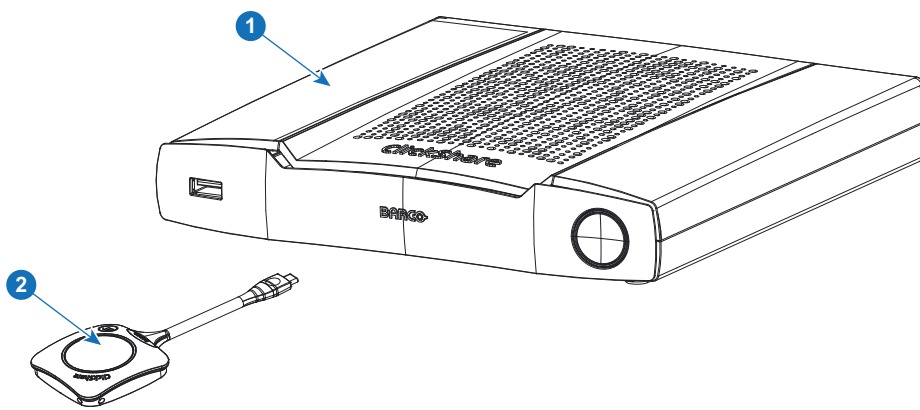


Image 2-1

- | | |
|---|-----------|
| 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 CX-50 box.

Products	Contains	Accessories included
R9861522xx ²	• R9861522 • 1x R9861600D01	• DC adapter with regional depending power cord • Printed safety manual
R9861600D01C	1x R9861600D01C	

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

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. Furthermore, it will send out the content from the camera and/or the speakerphone towards the Button.

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

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.

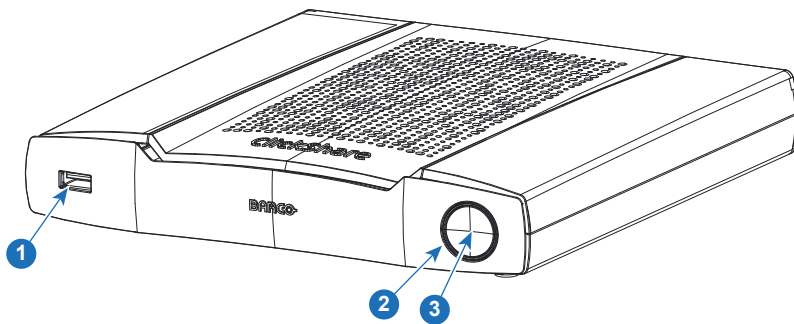


Image 2-2

1	USB Type-A port
2	Status LED ring
3	Standby Button

USB Port

The USB port is used to pair the Button to the Base Unit and to update the software of both the Base Unit and the Buttons and to connect a touch screen, USB camera or USB speakerphone to the Base Unit.

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 front USB port of the Base Unit. USB Type-C™ port available at the backside.

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. - 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 and software update of the Button is done, you can now unplug the Button from the Base Unit..
red blinking	an error occurred
dark	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 goes 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.

2.3 About the Button

Button layout

A Button consists of five main components

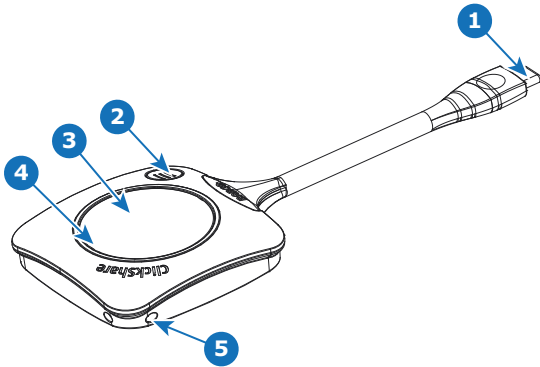


Image 2-3

1	USB Type-C™ connector
2	Quick access button
3	Button
4	LED ring
5	Strap hole

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 R9861600D1C 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

By inserting the Button, the peripherals attached to the Base Unit can be used in the tool of your preference. 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. Click the small button to get additional functionality and controls.

LED ring

The LED ring indicates the current status of your ClickShare.

LEDs behavior	Explanation
white ring filling up	• Button is plugged in the laptop and initializing. • Button is updating/pairing
green ring	• pairing and software update is done. You can now unplug the Button from the Base Unit.
spinning white circle	• Button is busy (no end time known). • ClickShare App is setting up the connection with the Base Unit.

LEDs behavior	Explanation
white blinking	the Button is waiting for the user to start the ClickShare application.
static white	ClickShare is ready to start sharing your screen.
static red	sharing your screen with the display³.
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.

3: While sharing content, the laptop will not go to standby. Once sharing is stopped, the laptop will again be capable of going to standby.

Getting started

3

Overview

- Activating the base unit
- Basic Use, with Button
- Basic Use, with ClickShare desktop app
- User Interface
- Extended desktop
- Moderation
- Audio configuration
- Pairing
- Touchback
- RoomDock

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 CX-50's installation manual.

Standby button

1. Push the button shortly.

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 CX-50 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.

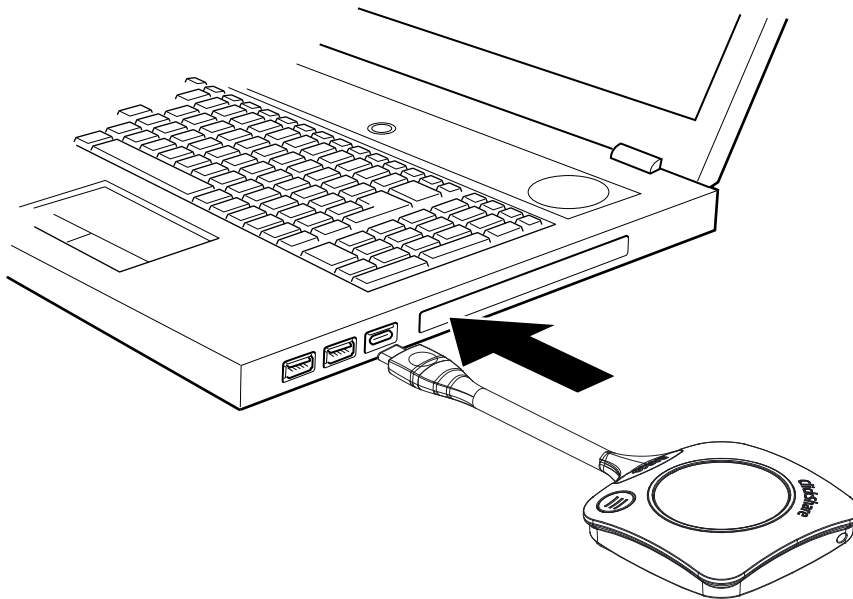


Image 3-1

The white ring on the Button is filling up. When totally filled up the system is ready to start sharing.

On your laptop a new drive appears.

Different situations are possible now:

- Nothing installed, LED ring fills up and starts flashing, indicating that the executable needs to be started by the user. Double-click the ClickShare application.
- 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.

- A launcher or the ClickShare desktop app 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 .

2. The application is started



The icon appears in the system tray.

On a Windows computer:



+ CLICKSHARE APP ON DESKTOP

On a Macintosh:



When the system is ready for use, a message appears close to the systray icon. Message is as follow: Ready to share to <ClickShare name>

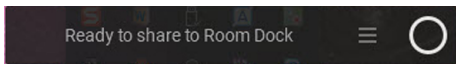


Image 3-2

The LEDs of the Button are static white.

The peripherals such as USB camera, echo cancelling audio device, etc. can now be used in the tool of your preference on your device.

3. 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 it will be played via the meeting room audio system. The icon returns to the same state as in step 3.

When a USB echo cancelling audio device is connected to the Base Unit, all audio, content audio and speaker audio is played via the speakerphone system.

The Ready to share message is reduced to the ClickShare icon



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.

4. 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).

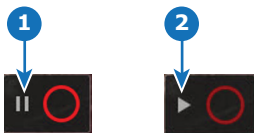


Image 3-3

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.



As second user can replace the current presenter with a long press on his Button.

Quick access button

No function defined yet for this button.

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 WiFi 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.

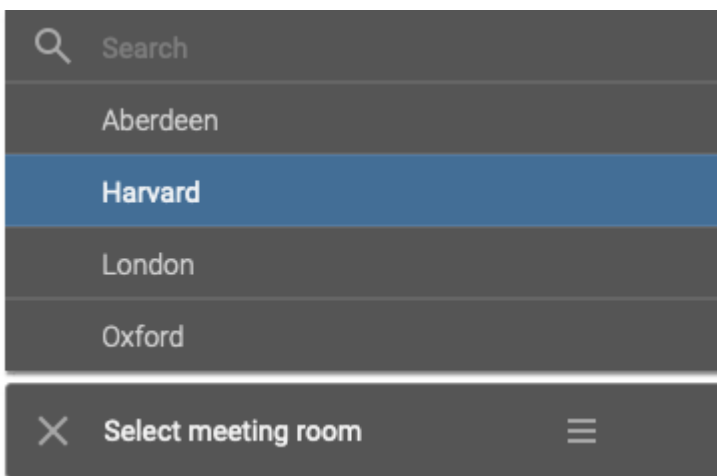


Image 3-4: Meeting room list

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

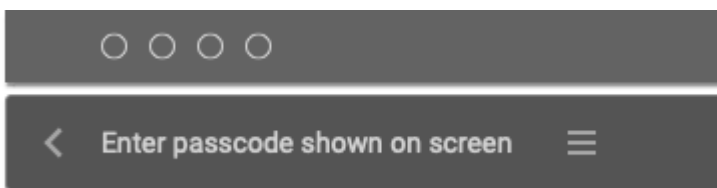


Image 3-5: Enter passcode

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

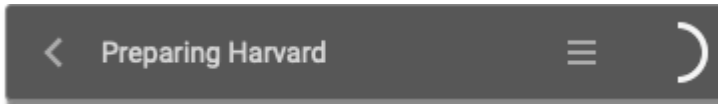


Image 3-6: Prepare connection



Image 3-7: Ready to share

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

When the sharing is started, the ClickShare desktop app will become partially invisible through an animation. A subtle red half circle remains visible on your screen.

Hover over the half circle to either pause your sharing session and freeze the content on the screen while you work on your computer (invisible for people in the meeting room), or click on the red circle to stop sharing.

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

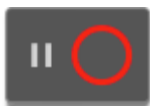


Image 3-8

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



Image 3-9: 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

When a Button is plugged in and ready for sharing, a context menu can be started.

Context menu

1. Click on the menu icon on the Ready to share message.

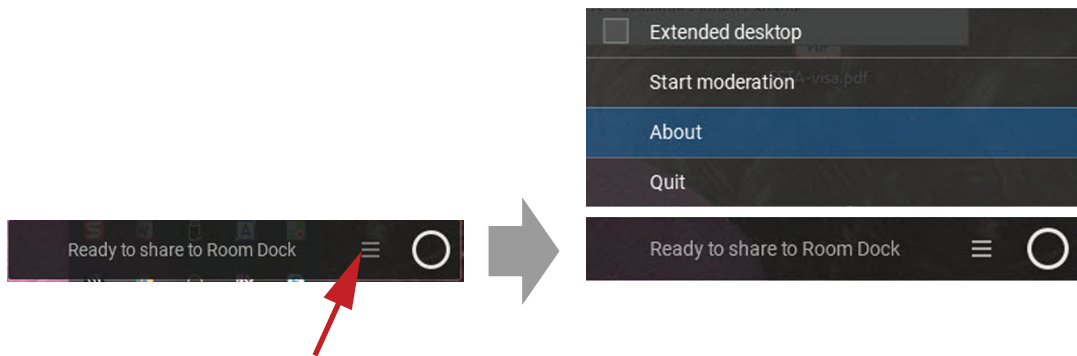


Image 3-10

The context menu appears.

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

3.5 Extended desktop

About extended 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. To use extended desktop, the extension pack is required. It can be downloaded from <https://www.barco.com/en/product/clickshare-extension-pack>.

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 3-11

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



Image 3-12

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



Image 3-13

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

How to select

1. Click on the menu icon of the Ready to share message.

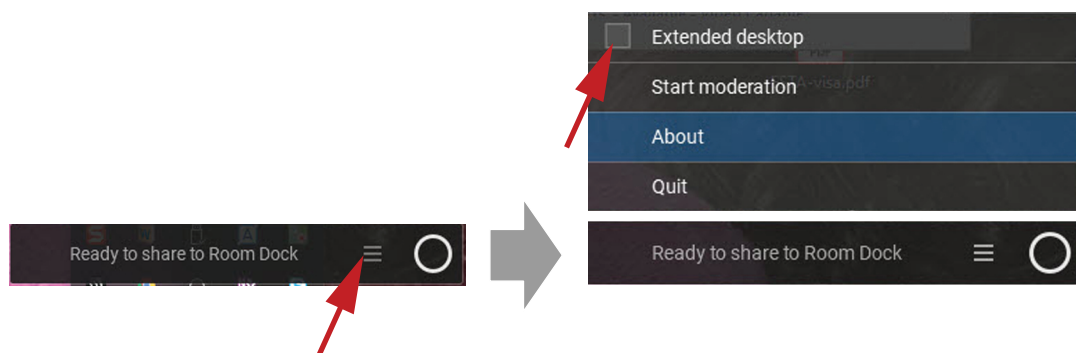


Image 3-14

The content menu opens.

2. Check the check box before Extended desktop.

3.6 Moderation

About moderation

The moderation functionality was specifically designed for use in larger rooms, with multiple people wanting to share at the same time. To prevent the rapid switching of screens, making the content difficult to follow, a moderator can manually select which content appears on-screen and when, thus ensuring a great experience for all attendees. The different Buttons, apps or legacy equipment are connected with the CX-50. One participant, the moderator, connected with a Button can take the lead to moderate the meeting. Depending on the display mode he can show up to 4 or 8 contents on the displays. A specific content can be displayed full screen. The moderation function can be switched off at any time, returning the system into ClickShare's normal operating mode, with content being shared upon the click of a button.

How to start moderation

1. Click on the menu icon of the Ready to share message.

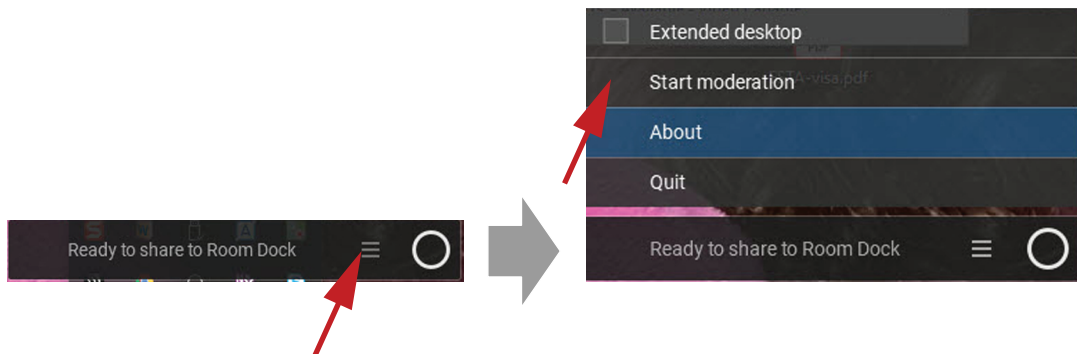


Image 3-15

The content menu opens.

2. Select *Start Moderation*.

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

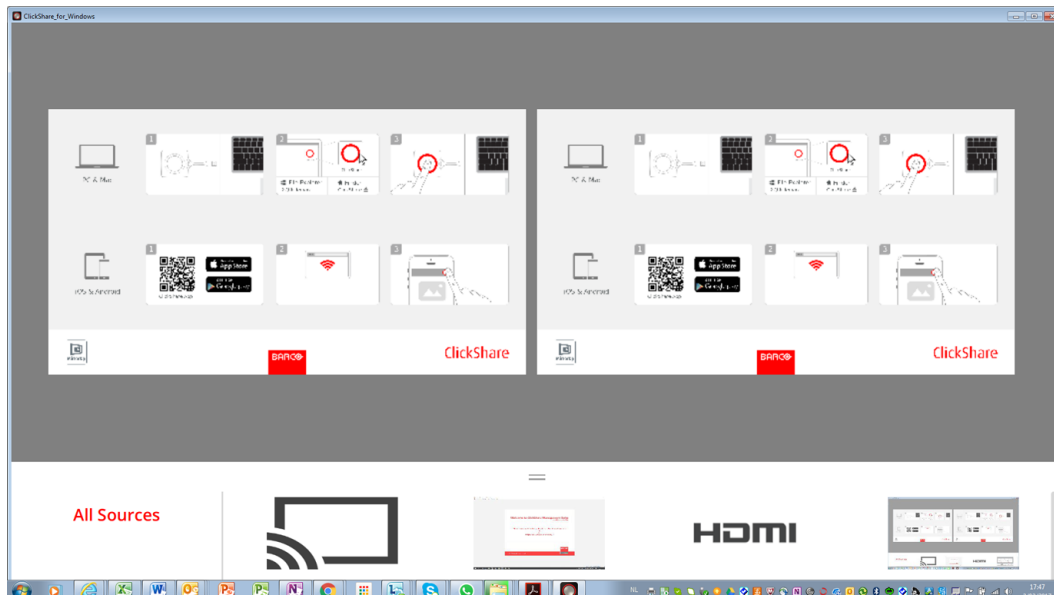


Image 3-16: Moderation window

3. To stop moderation, close the moderation window.

About the different panes

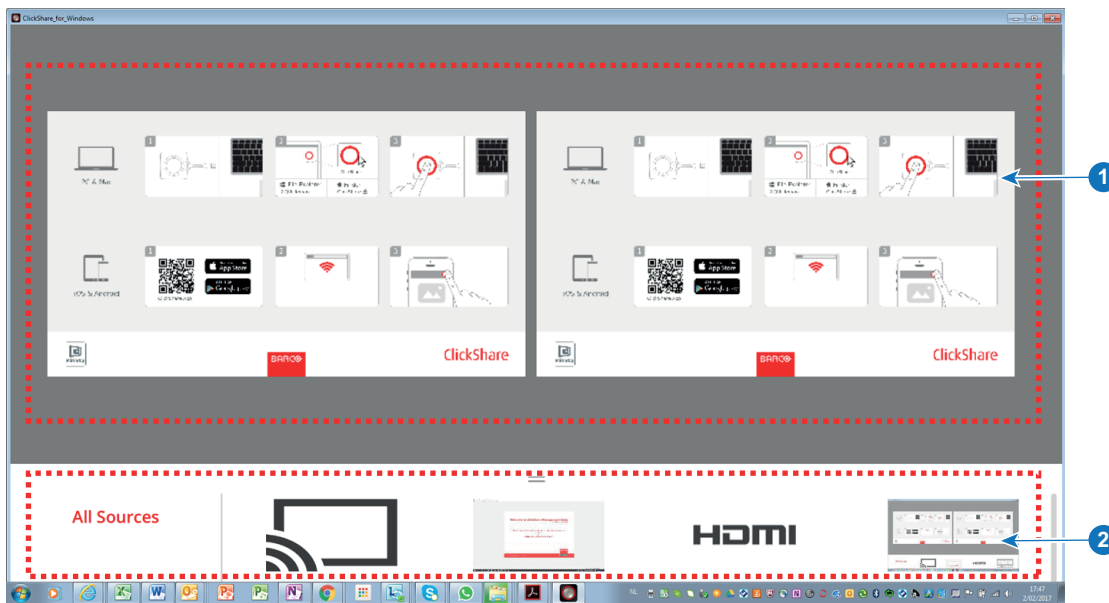


Image 3-17

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

How to display a content

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

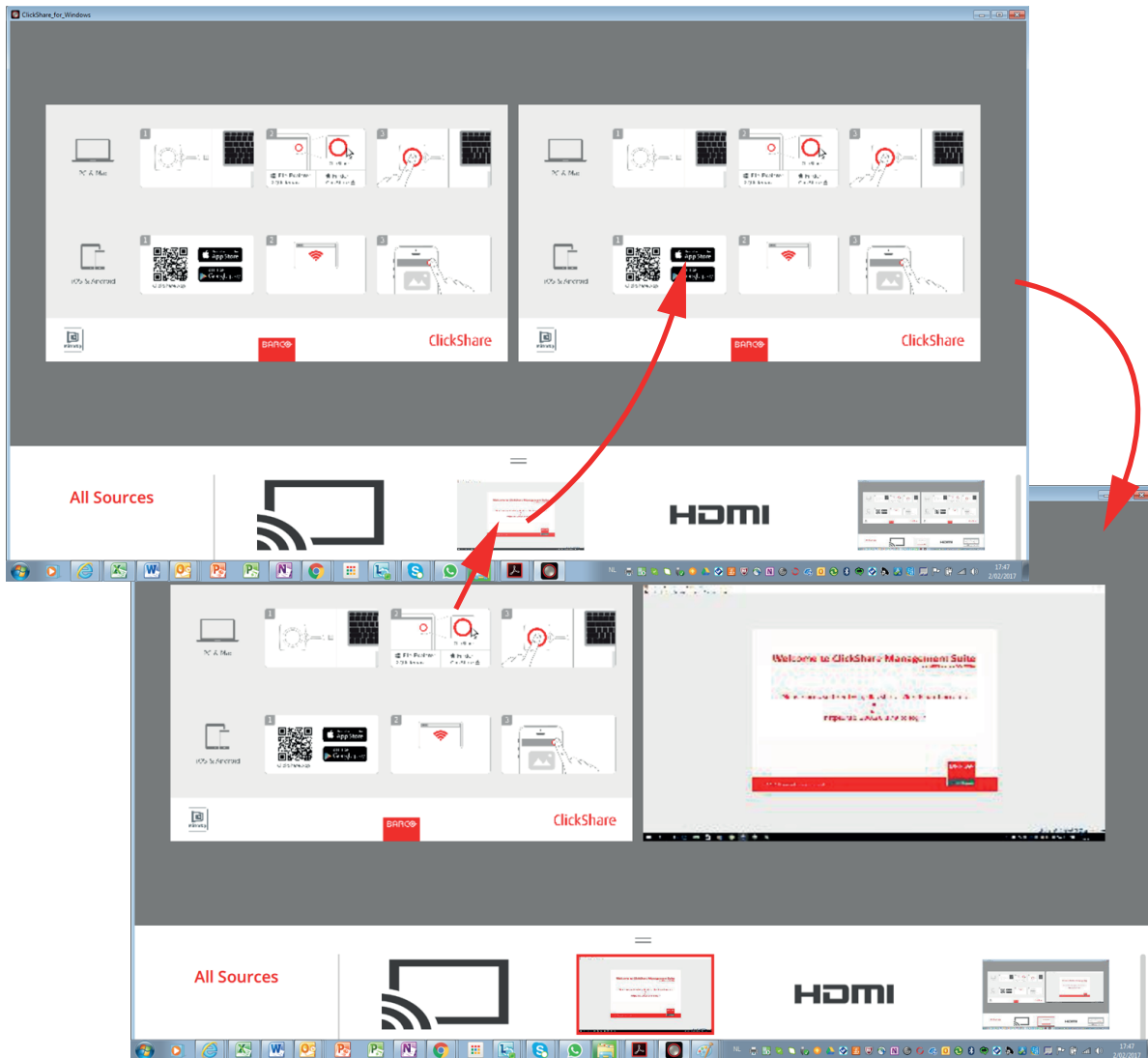


Image 3-18: Display a content

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

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



Image 3-19: Display multiple contents

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

How to remove a content from the display

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

How to display a content full screen

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

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

3.7 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. The speakerphone selection is also selected.

Audio configuration

The following configuration is the expected configuration for the playback devices when plugging the Button. The speakerphone will be the default communications device.

(Still image to be added)

3.8 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. All Buttons will need to be updated and paired before use.

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 be paired manually to update their software.



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.

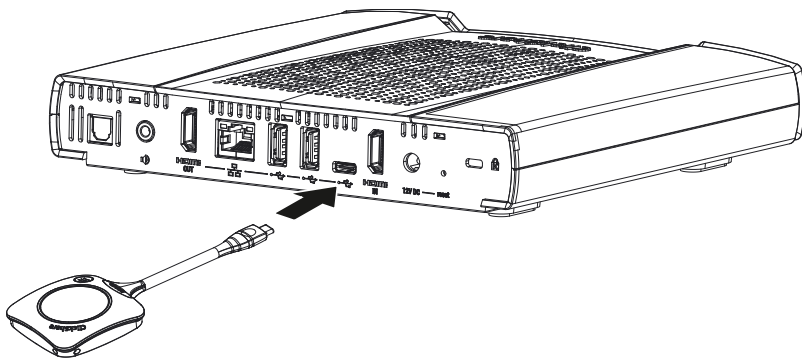


Image 3-20: Pair button

The Base Unit LED is blinking while the Button LED fills up a circle. 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 displayed.

(Add new image)

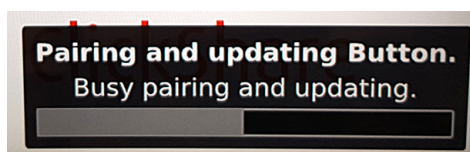


Image 3-21: Pairing message

The result of the pairing process can be as follows:

- When the LEDs on the Button become green and on static white on the Base Unit, the Button is paired to the Base Unit. You can unplug the Button from the Base Unit.

(Add new image)

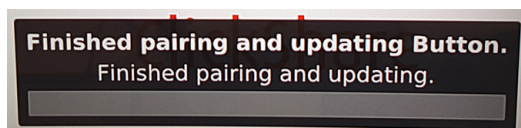


Image 3-22: Pairing finished

2. Unplug the Button from the Base Unit.

The Button is now ready for use.

3.9 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 the presenter 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.

3.10 RoomDock

About

RoomDock allows to create a wireless bridge for speakphone and USB camera attached to the Base Unit. This allows the user to take advantage of the installed meeting room peripherals to have better audio and video conferencing using their typical videoconferencing tools like Skype or Zoom.

The speakerphone and USB camera is accessible to any user (up to 4 Buttons) that has a Button plugged in.

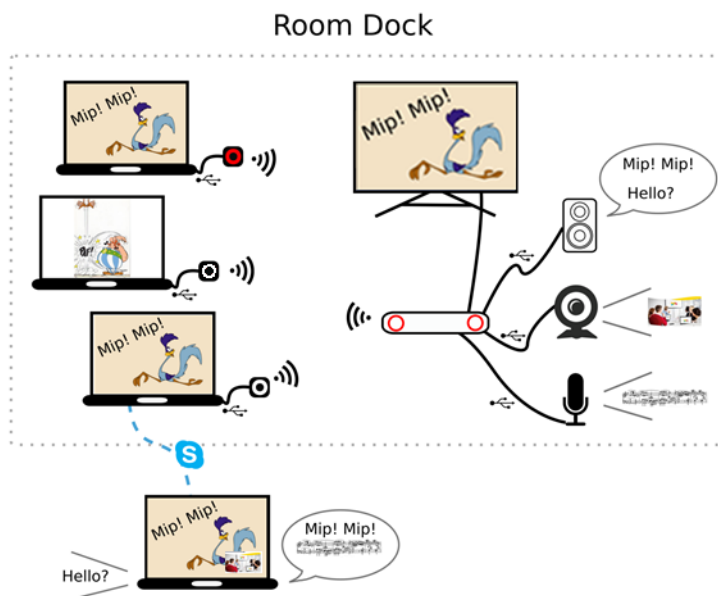


Image 3-23

Troubleshooting

4

4.1 Basic Troubleshooting

Problem solving

In this chapter some problems that might occur while using CX-50 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.
Your content is removed from the display and the LEDs of your Button are blinking white.	Audio setting on the web interface is not correctly set.	Consult your administrator to select the correct audio setting.
	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. • Reconnect to the USB port. • Try another USB port. • Reboot your laptop.
	Windows tries to assign the ClickShare drive to an already reserved drive letter	Use Microsoft Windows Disk Management to assign it to a free drive letter.
	IT policy not mount USB drives	Contact your IT responsible.
Some programs of Windows are not shown on the display.	Use of overlays, 3D or hardware acceleration in the GPU.	• Disable overlays or hardware acceleration in the GPU. • Disable AeroGlass in Windows 7 • Capture mode

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.

