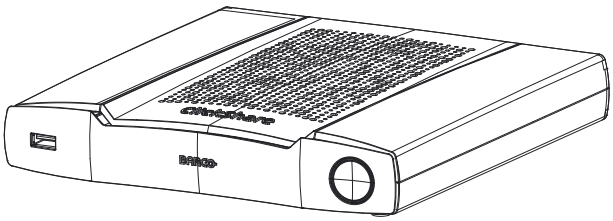
# ClickShare CSE-200+



User guide

ENABLING BRIGHT OUTCOMES

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| pcre | 8.42 | https://ftp.pcre.org/pub/pcre |
| python3 | 3.7.4 | https://python.org/ftp/python/3.7.4 |
| bluez5_utils-headers | 5.50 | https://cdn.kernel.org/pub/linux/bluetooth |
| libffi | v3.3-rc0 | https://github.com/libffi/libffi/archive/v3.3-rc0 |
| libzlib | 1.2.11 | http://www.zlib.net |
| xlib_libSM | 1.2.3 | http://xorg.freedesktop.org/releases/individual/lib |
| xlib_libICE | 1.0.10 | https://xorg.freedesktop.org/archive/individual/lib |
| xlib_xtrans | 1.3.5 | http://xorg.freedesktop.org/releases/individual/lib |
| xorgproto | 2018.4 | http://xorg.freedesktop.org/releases/individual/proto |

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|---|---|---|
| xlib_libX11 | 1.6.7 | https://xorg.freedesktop.org/archive/individual/lib |
| libxcb | 1.13.1 | http://xcb.freedesktop.org/dist |
| libpthread-stubs | 0.4 | http://xcb.freedesktop.org/dist |
| xcb-proto | 1.13 | http://xcb.freedesktop.org/dist |
| xlib_libXau | 1.0.8 | http://xorg.freedesktop.org/releases/individual/lib |
| xutil_util-macros | 1.19.2 | http://xorg.freedesktop.org/releases/individual/util |
| xlib_libXdmcp | 1.1.3 | http://xorg.freedesktop.org/releases/individual/lib |
| libdaemon | 0.14 | http://0pointer.de/lennart/projects/libdaemon |
| libglib2 | 2.56.4 | http://ftp.gnome.org/pub/gnome/sources/glib/2.56 |
| elfutils | 0.176 | https://sourceware.org/elfutils/ftp/0.176 |
| bzip2 | 1.0.8 | https://sourceware.org/pub/bzip2 |
| util-linux | 2.33 | https://cdn.kernel.org/pub/linux/utils/util-linux/v2.33 |
| linux-pam | 1.3.1 | https://github.com/linux-pam/linux-pam/releases/download/v1.3.1 |
| flex | 2.6.4 | https://github.com/westes/flex/files/981163 |
| readline | 8.0 | http://ftpmirror.gnu.org/readline |
| bellagio | 0.9.3 | http://downloads.sourceforge.net/project/omxil/omxil/Bellagio%200.9.3 |
| bitstream | 1.4 | https://get.videolan.org/bitstream/1.4 |
| bluez5_utils | 5.50 | https://cdn.kernel.org/pub/linux/bluetooth |
| libical | 1.0.1 | https://github.com/libical/libical/releases/download/v1.0.1 |
| eudev | 3.2.7 | http://dev.gentoo.org/~blueness/eudev |
| kmod | 25 | https://cdn.kernel.org/pub/linux/utils/kernel/kmod |
| bridge-utils | 1.6 | https://cdn.kernel.org/pub/linux/utils/net/bridge-utils |
| busybox | 1.29.3 | http://www.busybox.net/downloads |
| dosfstools | 4.1 | https://github.com/dosfstools/dosfstools/releases/download/v4.1 |
| e2fsprogs | 1.44.5 | https://cdn.kernel.org/pub/linux/kernel/people/tytso/e2fsprogs/v1.44.5 |
| netcat | 0.7.1 | http://downloads.sourceforge.net/project/netcat/netcat/0.7.1 |
| ntp | 4.2.8p13 | https://www.eecis.udel.edu/~ntp/ntp_spool/ntp4/ntp-4.2 |
| libedit | 20180525-3.1 | http://www.thrysoee.dk/editline |
| libbsd | 0.10.0 | https://libbsd.freedesktop.org/releases |
| 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 |
| pciutils | 3.5.5 | https://cdn.kernel.org/pub/software/utils/pciutils |
| unzip | 60 | ftp://ftp.info-zip.org/pub/infozip/src |

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|---|---|---|
| usbutils | 010 | https://cdn.kernel.org/pub/linux/utils/usb/usbutils |
| libusb | 1.0.22 | https://github.com/libusb/libusb/releases/download/v1.0.22 |
| 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 |
| collectd | 5.7.2 | http://collectd.org/files |
| libgcrypt | 1.8.4 | https://gnupg.org/ftp/gcrypt/libgcrypt |
| libgpg-error | 1.33 | https://www.gnupg.org/ftp/gcrypt/libgpg-error |
| lm-sensors | V3-5-0 | https://github.com/lm-sensors/lm-sensors/archive/V3-5-0 |
| crda | 4.14 | https://git.kernel.org/pub/scm/linux/kernel/git/mcgrof/crda.git/snapshot |
| 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 |
| 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 |
| dvblast | 3.4 | https://get.videolan.org/dvblast/3.4 |
| libev | 4.24 | http://dist.schmorp.de/libev/Attic |
| faad2 | 2.8.8 | 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 | 2.0.1 | https://downloads.sourceforge.net/project/libjpeg-turbo/2.0.1 |
| libpng | 1.6.37 | http://downloads.sourceforge.net/project/libpng/libpng16/1.6.37 |
| 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 |
| libva | 2.4.0 | https://github.com/intel/libva/releases/download/2.4.0 |
| libdrm | 2.4.97 | https://dri.freedesktop.org/libdrm |
| mesa3d | 18.3.6 | https://mesa.freedesktop.org/archive |
| libva-dummy | 2.4.0 | https://github.com/intel/libva/releases/download/2.4.0 |
| xlib_libXext | 1.3.3 | http://xorg.freedesktop.org/releases/individual/lib |
| xlib_libXfixes | 5.0.3 | http://xorg.freedesktop.org/releases/individual/lib |

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|---|---|---|
| libvdpau | 1.1.1 | http://people.freedesktop.org/~aplattner/vdpau |
| llvm | 7.0.1 | http://llvm.org/releases/7.0.1 |
| xlib_libXdamage | 1.1.4 | http://xorg.freedesktop.org/releases/individual/lib |
| xlib_libXrandr | 1.5.1 | http://xorg.freedesktop.org/releases/individual/lib |
| xlib_libXrender | 0.9.10 | http://xorg.freedesktop.org/releases/individual/lib |
| xlib_libXxf86vm | 1.1.4 | http://xorg.freedesktop.org/releases/individual/lib |
| xlib_libxshmfence | 1.3 | http://xorg.freedesktop.org/releases/individual/lib |
| libvorbis | 1.3.6 | http://downloads.xiph.org/releases/vorbis |
| libogg | 1.3.3 | http://downloads.xiph.org/releases/ogg |
| libvpx | v1.7.0 | https://github.com/webmproject/libvpx/archive/v1.7.0 |
| 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 |
| gdb | 8.1.1 | http://ftpmirror.gnu.org/gdb |
| gnu-efi | 3.0.9 | http://downloads.sourceforge.net/project/gnu-efi |
| 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 |
| 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-libav | 1.14.4 | https://gstreamer.freedesktop.org/src/gst-libav |
| gst1-plugins-base | 1.14.4 | https://gstreamer.freedesktop.org/src/gst-plugins-base |
| gstreamer1 | 1.14.4 | https://gstreamer.freedesktop.org/src/gstreamer |
| xlib_libXv | 1.0.11 | http://xorg.freedesktop.org/releases/individual/lib |
| gst1-plugins-bad | 1.14.4 | https://gstreamer.freedesktop.org/src/gst-plugins-bad |
| gst1-plugins-good | 1.14.4 | https://gstreamer.freedesktop.org/src/gst-plugins-good |
| libv4l | 1.16.3 | https://linuxtv.org/downloads/v4l-utils |
| qt5base | 5.12.4 | https://download.qt.io/archive/qt/5.12/5.12.4/submodules |
| icu | 60.2 | http://download.icu-project.org/files/icu4c/60.2 |
| libxkbcommon | 0.8.2 | http://xkbcommon.org/download |
| pcre2 | 10.32 | https://ftp.pcre.org/pub/pcre |
| xcb-util-image | 0.4.0 | http://xcb.freedesktop.org/dist |

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|---|---|---|
| xcb-util | 0.4.0 | 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 |
| xlib_libXtst | 1.2.3 | http://xorg.freedesktop.org/releases/individual/lib |
| xlib_libXi | 1.7.9 | http://xorg.freedesktop.org/releases/individual/lib |
| gst1-vaapi | 1.14.4 | https://gstreamer.freedesktop.org/src/gstreamer-vaapi |
| htop | 2.2.0 | http://hisham.hm/htop/releases/2.2.0 |
| 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 |
| libarchive | 3.3.3 | http://www.libarchive.org/downloads |
| libconfig | v1.7.2 | https://github.com/hyperrealm/libconfig/archive/v1.7.2 |
| libcurl | 7.65.3 | https://curl.haxx.se/download |
| libdri2 | 4f1eef3183d-f2b270c3d5-cbe-f07343e-e5127a6a4 | https://github.com/robclark/libdri2/archive/4f1eef3183df2b270c3d5cbef07343ee5127a6a4 |
| libepoxy | 1.5.2 | http://ftp.gnome.org/pub/gnome/sources/libepoxy/1.5 |
| 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 |
| liblogging | 1.0.6 | http://download.rsyslog.com/liblogging |
| libnspr | 4.20 | https://ftp.mozilla.org/pub/mozilla.org/nspr/releases/v4.20/src |
| libnss | 3.42.1 | https://ftp.mozilla.org/pub/mozilla.org/security/nss/releases/NSS_3_42_1_RTM/src |
| libopusenc | 0.2.1 | https://downloads.xiph.org/releases/opus |
| libpcap | 1.9.0 | http://www.tcpdump.org/release |
| libpciaccess | 0.14 | http://xorg.freedesktop.org/releases/individual/lib |
| 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 |
| libyaml | 0.2.1 | http://pyyaml.org/download/libyaml |
| libzip | 1.5.1 | http://www.nih.at/libzip |

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|---|---|---|
| lighttpd | 1.4.53 | http://download.lighttpd.net/lighttpd/releases-1.4.x |
| linux-firmware | 1baa34868-b2c0a004d-c595-b20678145-e3fff83e7 | http://git.kernel.org/pub/scm/linux/kernel/git/firmware/linux-firmware.git |
| 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 |
| mtdev | 1.1.4 | http://bitmath.org/code/mtdev |
| nano | 3.2 | https://www.nano-editor.org/dist/v3 |
| 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 |
| opkg | 0.3.6 | http://downloads.yoctoproject.org/releases/opkg |
| opus-tools | 0.2 | https://downloads.xiph.org/releases/opus |
| opusfile | 0.11 | https://downloads.xiph.org/releases/opus |
| php | 7.3.9 | http://www.php.net/distributions |
| pixman | 0.34.0 | http://xorg.freedesktop.org/releases/individual/lib |
| powertop | 2.9 | https://01.org/sites/default/files/downloads/powertop |
| protobuf | v2.6.1 | https://github.com/google/protobuf/archive/v2.6.1 |
| python-pyyaml | 4.2b4 | https://files.pythonhosted.org/packages/a8/c6/a8d1555e795dbd0375c3c93b576ca13bbf139db51ea604a-fa19a2c35fc03 |
| python-serial | 3.4 | https://files.pythonhosted.org/packages/cc/74/11b04703ec416717b247d789103277269d567db575d2fd88f25-d9767fe3d |
| 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 |
| qt5graphicaleffects | 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 |
| qt5quickcontrols2 | 5.12.4 | https://download.qt.io/archive/qt/5.12/5.12.4/submodules |
| qt5serialport | 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 |
| qt5x11extras | 5.12.4 | https://download.qt.io/archive/qt/5.12/5.12.4/submodules |
| ramspeed | 2.6.0 | http://www.alasir.com/software/ramspeed |
| rsync | 3.1.3 | http://rsync.samba.org/ftp/rsync/src |

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|---|---|---|
| rsyslog | 8.22.0 | http://rsyslog.com/files/download/rsyslog |
| strace | 4.26 | https://strace.io/files/4.26 |
| tcpdump | 4.9.2 | http://www.tcpdump.org/release |
| tpm-tools | 1.3.9.1 | http://downloads.sourceforge.net/project/trousers/tpm-tools/1.3.9.1 |
| trousers | 0.3.14 | http://downloads.sourceforge.net/project/trousers/trousers/0.3.14 |
| tzdata | 2018e | http://www.iana.org/time-zones/repository/releases |
| wireless-regdb | 2019.06.03 | https://cdn.kernel.org/pub/software/network/wireless-regdb |
| wireless_tools | 30.pre9 | https://hewlettpackard.github.io/wireless-tools |
| xapp_beforelight | 1.0.5 | http://xorg.freedesktop.org/releases/individual/app |
| xlib_libXScrnSaver | 1.2.3 | http://xorg.freedesktop.org/releases/individual/lib |
| 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 | 1.4.0 | http://xorg.freedesktop.org/releases/individual/app |
| xapp_xinput-calibrator | 0.7.5 | http://github.com/downloads/tias/xinput_calibrator |
| xapp_xinput | 1.6.2 | http://xorg.freedesktop.org/releases/individual/app |
| xlib_libXinerama | 1.1.4 | http://xorg.freedesktop.org/releases/individual/lib |
| xapp_xkbcomp | 1.4.2 | http://xorg.freedesktop.org/releases/individual/app |
| xapp_xrandr | 1.5.0 | http://xorg.freedesktop.org/releases/individual/app |
| xdata_xbitmaps | 1.1.2 | http://xorg.freedesktop.org/releases/individual/data |
| xdriver_xf86-input-evdev | 2.10.5 | http://xorg.freedesktop.org/releases/individual/driver |
| xserver_xorg-server | 1.20.5 | https://xorg.freedesktop.org/archive/individual/xserver |
| xfont_font-util | 1.3.2 | http://xorg.freedesktop.org/releases/individual/font |
| xkeyboard-config | 2.23.1 | http://www.x.org/releases/individual/data/xkeyboard-config |
| xlib_libXcomposite | 0.4.4 | http://xorg.freedesktop.org/releases/individual/lib |
| xlib_libXcursor | 1.1.15 | http://xorg.freedesktop.org/releases/individual/lib |
| xlib_libXfont2 | 2.0.3 | 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 |

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| xlib_libXres | 1.2.0 | http://xorg.freedesktop.org/releases/individual/lib |
| xdriver_xf86-video-amdgpu | 18.1.0 | 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 |
| libresample | 0.1.3 | ftp://ftp.ubuntu.com/ubuntu/pool/universe/libr/libresample |
| 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 |
| efitools | v1.7.0 | git://git.kernel.org/pub/scm/linux/kernel/git/jejb/efitools.git |
| sazanami-fonts | 20040629 | http://sourceforge.jp/projects/efont/downloads/10087 |
| unfonts | 1.0 | http://kldp.net/frs/download.php/1425 |
| fbset | 2.1 | http://users.telenet.be/geertu/Linux/fbdev |
| gzip | 1.9 | http://ftpmirror.gnu.org/gzip |
| i2c-tools | 4.1 | https://www.kernel.org/pub/software/utils/i2c-tools |
| tar | 1.29 | http://ftpmirror.gnu.org/tar |
| devmem2 | 1 | http://bootlin.com/pub/mirror |
| efibootmgr | 15 | https://github.com/rhboot/efibootmgr/archive/15 |
| efivar | 35 | https://github.com/rhboot/efivar/archive/35 |
| parted | 3.2 | http://ftpmirror.gnu.org/parted |
| 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 |
| mtd | 1.5.2 | ftp://ftp.infradead.org/pub/mtd-utils |
| procps-ng | 3.3.12 | http://downloads.sourceforge.net/project/procps-ng/Production |
| hidapi | 0.5.2 | https://github.com/signal11/hidapi |
| linux | 3.1.0 | https://mirrors.edge.kernel.org/pub/linux/kernel/v3.x/ |
| hostapd | 40e2dcfdf4-e27191d4f- | https://source.codeaurora.org/quic/la/platform/external/wpa_supplicant_8 |

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|---|---|---|
| | b9edc6-c10337868-b90acf | |
| wpasupplicant | 40e2dcfdf4-e27191d4f-b9edc6-c10337868-b90acf | https://source.codeaurora.org/quic/la/platform/external/wpa_supplicant_8 |
| qca6174a | CNSS.LEA.NRT_1.0 | https://source.codeaurora.org/external/wlan/qcacld-2.0/ |
| qca93777 | CNSS.LEA.NRT_1.0 | https://source.codeaurora.org/external/wlan/qcacld-2.0/ |
| 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-R9861521

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-R9861521

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 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 (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 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.

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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 CSE-200 + product, the Base Unit and accessories are regionalized. By the time of release of this manual, 4 regional versions of CSE-200+ are available:

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

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

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

# 1.2 About this guide

### This manual

| Partnumber | Description | Level |
|---|---|---|
| R5900086 | User Guide | User |

### Available System documentation

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

| Guide | Article number |
|---|---|
| User Guide | R5900086 |
| Installation Guide | R5900087 |
| Safety Guide | R5900085 |
| Service Guide | R5900090 |
| Recycling Manual | R5900029 |
| API Guide | R5900056 |

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

Depending on the CSE-200+ version, some graphics might be different to the ones used in this manual. This however does not have any effect to the functionality.

The User Guide describes how to use your CSE-200+. It also contains a basic troubleshooting part where you can search for a solution when a problem occurs.

# 1.3 Symbols and fonts

### Symbol overview

The following icons are used in the manual :

| | |
|---|---|
|  | Caution |
|  | Warning |

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

## Font overview

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

# Introduction to CSE-200+ 2

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# 2.1 About the CSE-200+

## CSE-200+ sets

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

This CSE-200+ not only helps the presenter get the presentation on-screen in a second, but it also allows the other people in the meeting to participate more actively. The result is enhanced meeting efficiency and better decision-making.

At the moment 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 Wi-Fi regulations.

## Components CSE-200+ set

A standard CSE-200+ set consists of a Base Unit and 2 Buttons. Depending on the location where you buy the product, the software of the Base Unit is different. If needed, you can buy additional Buttons and a tray to store the Buttons.

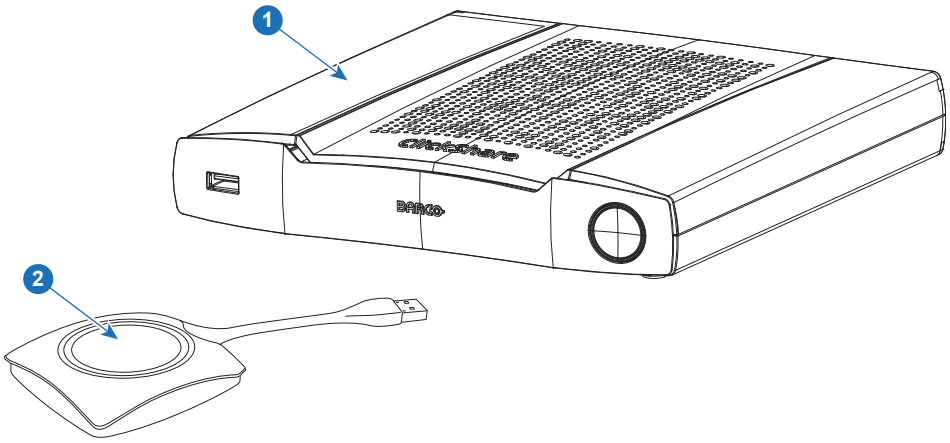


Image 2–1

| | |
|---|---|
| 1 | Base Unit |
| 2 | Button |

## Accessories included

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

| Products | Contains | Accessories included |
|---|---|---|
| R9861521xx[2] | • R9861521<br>• 1x R9861500D01 | • DC adapter with AC clips type A, C, G, I[3]<br>• Printed safety manual |
| R9861500D01 | 1x R9861500D01 | |
| R9861500D01C | 1x R9861500D01C | |

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

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

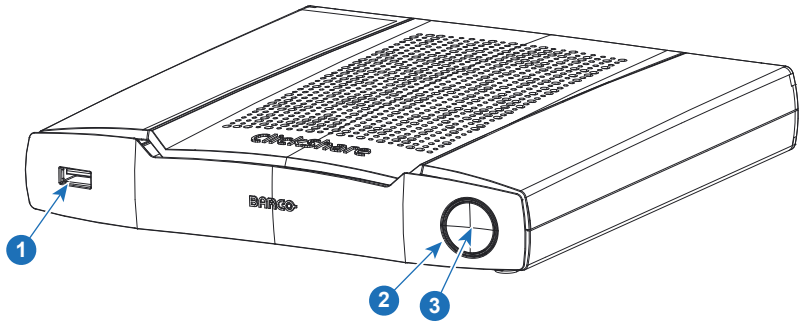


Image 2–2

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

## 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.

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 is 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.<br>• pairing and software update of the Button is done. You can now unplug the Button from the Base Unit.<br>• during the first phase of the Base Unit boot process. |
| blinking white | • system is starting up (during the second phase)<br>• Button pairing is in progress<br>• 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)<br>• pairing is done |

| LEDs behavior | Explanation |
|---|---|
| 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 functionality

A Button contains three main functional components.

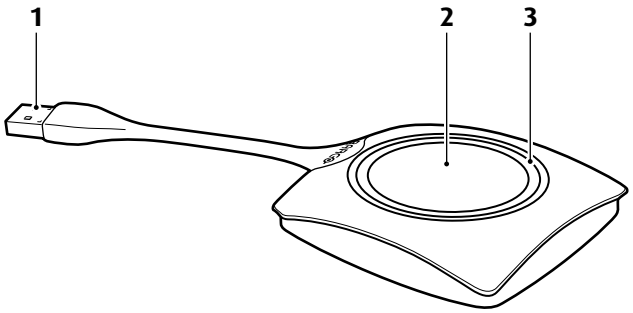


Image 2–3 The Button

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

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

### USB connector

Using the USB connector the Button can be plugged into a laptop (for sharing your screen) or the Base Unit (for pairing the Button to the Base Unit or updating its software). Button R9861500D1 has a USB Type-A connector, Button R9861500D1C has a USB Type-C™ connector. Depending on the type of USB port on your laptop or on the Base Unit a convertor must be 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 CSE-200+.

| LEDs behavior | Explanation |
|---|---|
| white blinking | • the Button is plugged in the laptop and initializing or waiting for the user to start the ClickShare application.<br>• pairing/software update of the Button in the Base Unit is in progress. |
| static white | • ClickShare is ready to start sharing your screen.<br>• pairing is done. You can now unplug the Button from the Base Unit. |
| static red | • sharing your screen with the display[4].<br>• 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.<br>• the Button might be defective.<br>• 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<br>Android |  |

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

# 3 Getting started


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# 3.1 Activating the Base Unit

## About power mode

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

## Standby button

1. Push the button shortly.

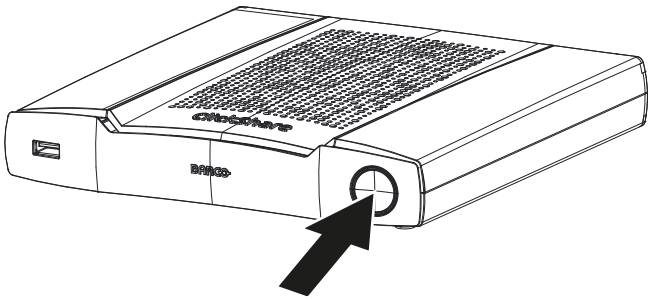

Image 3–1 Standby button

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

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

# 3.2 Basic Use, 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.

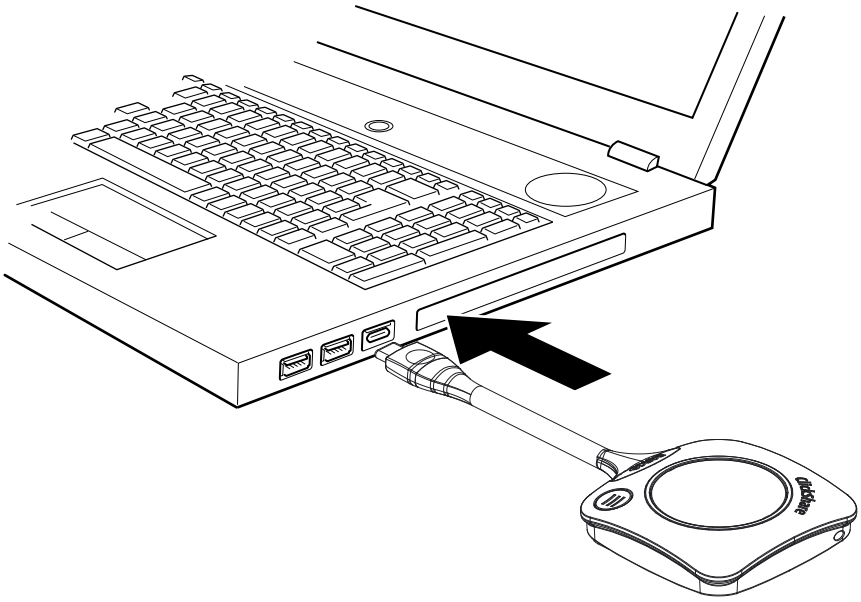

Image 3–2

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.

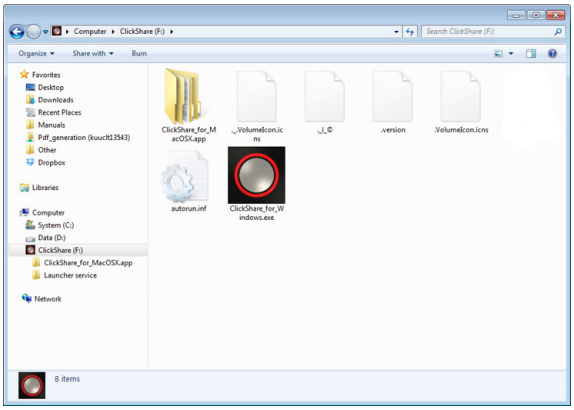

Image 3–3 Windows environment

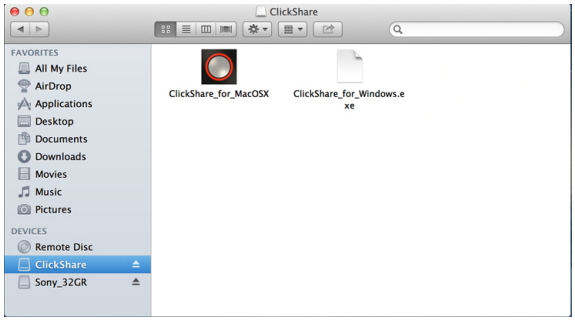


Image 3–4 MAC environment

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.

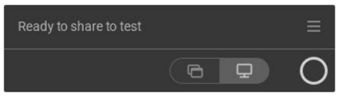


Image 3–5

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).

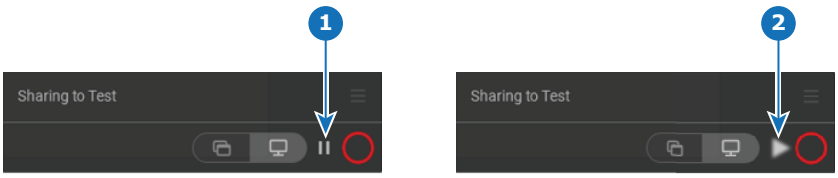


Image 3–6

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.

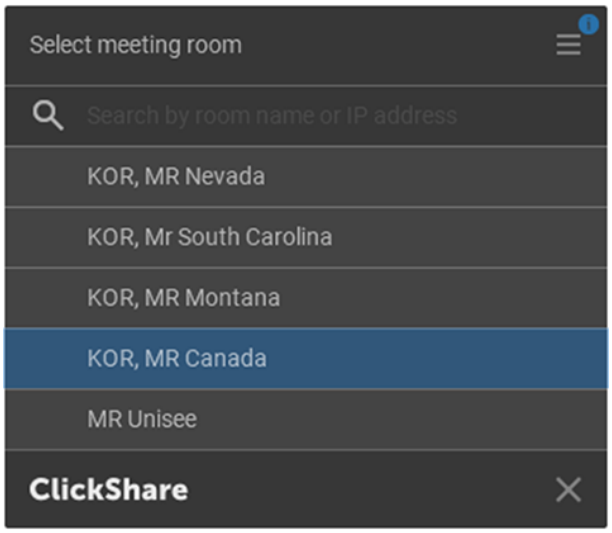


Image 3–7 Meeting room list

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.

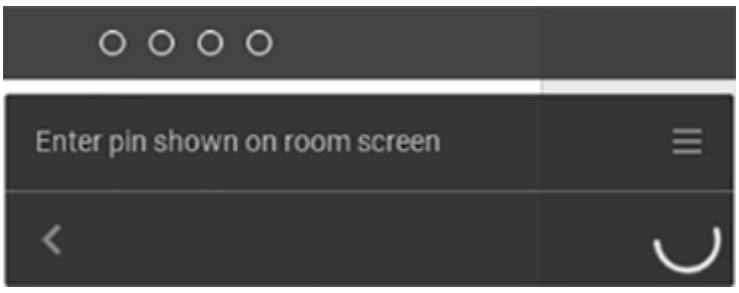


Image 3–8 Enter pin

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

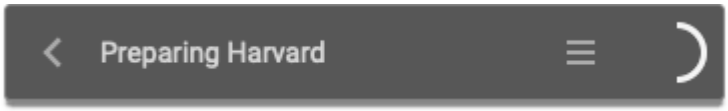


Image 3–9 Prepare connection

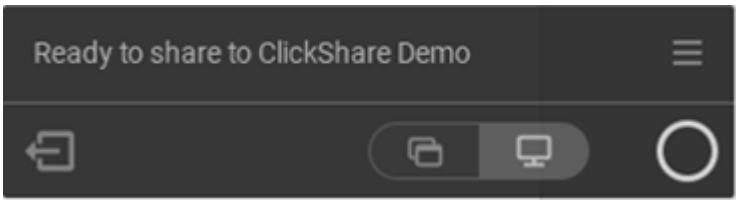


Image 3–10 Ready to share

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.

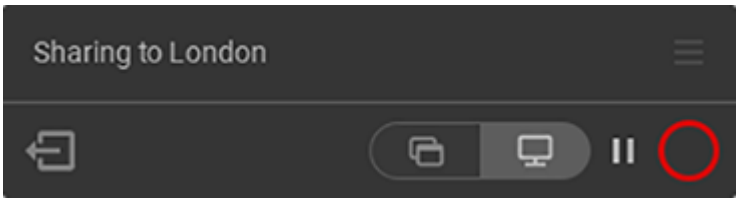


Image 3–12

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

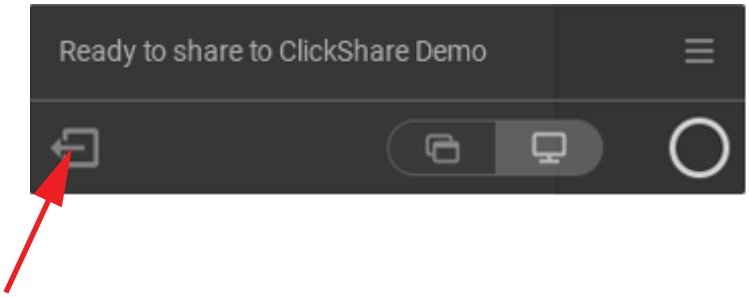


Image 3–13 Leave meeting room

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.

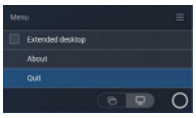


Image 3–14 Context menu

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:

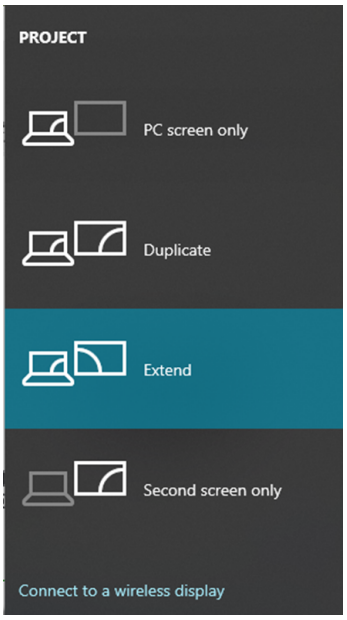


Image 3–18

## 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.

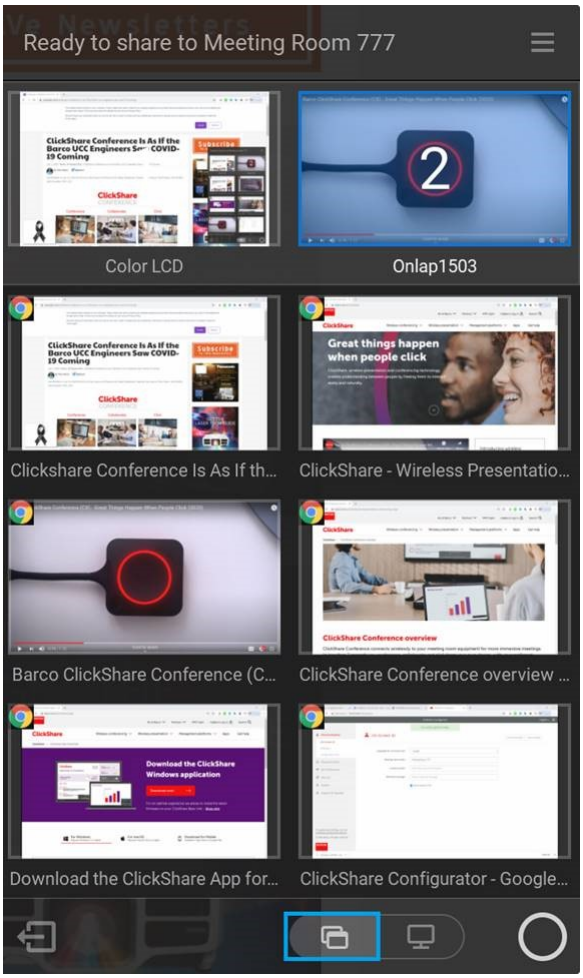


Image 3–19

### 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).

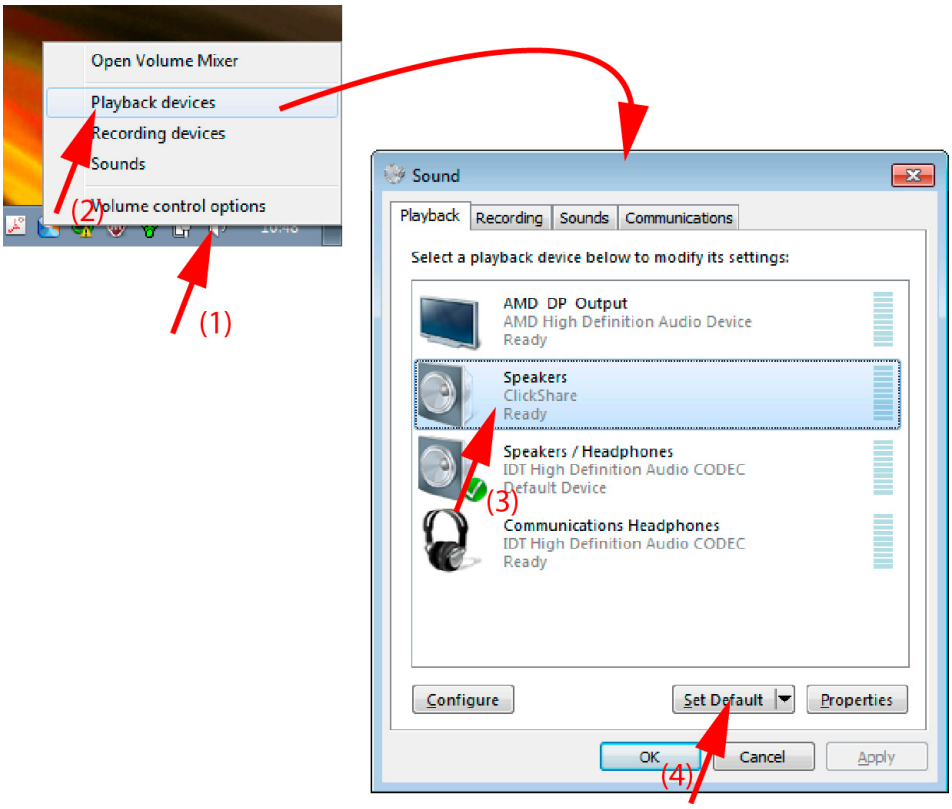


Image 3–20 Speakers ClickShare, default (example Windows 7)

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).

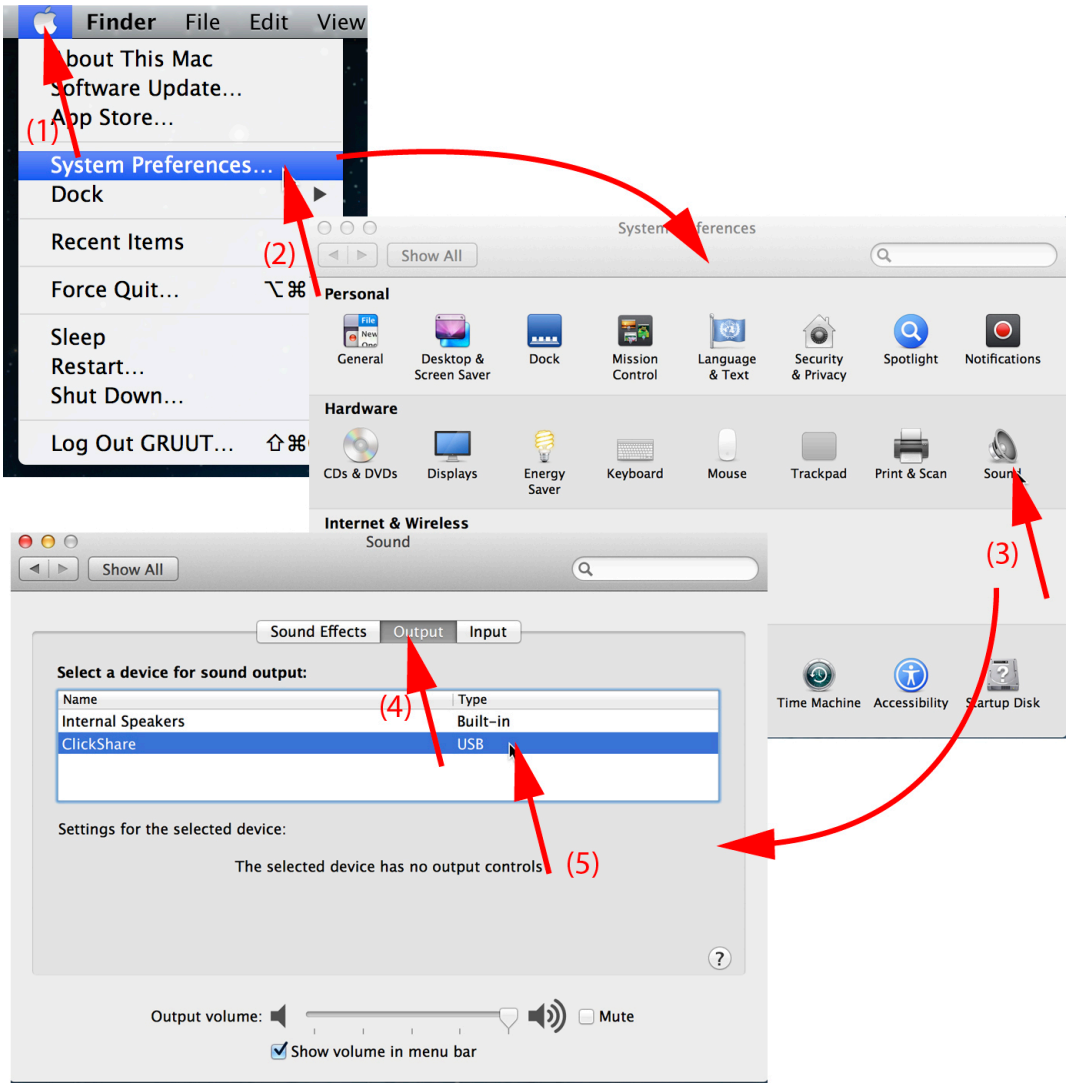


Image 3–21 Speakers ClickShare, default

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.

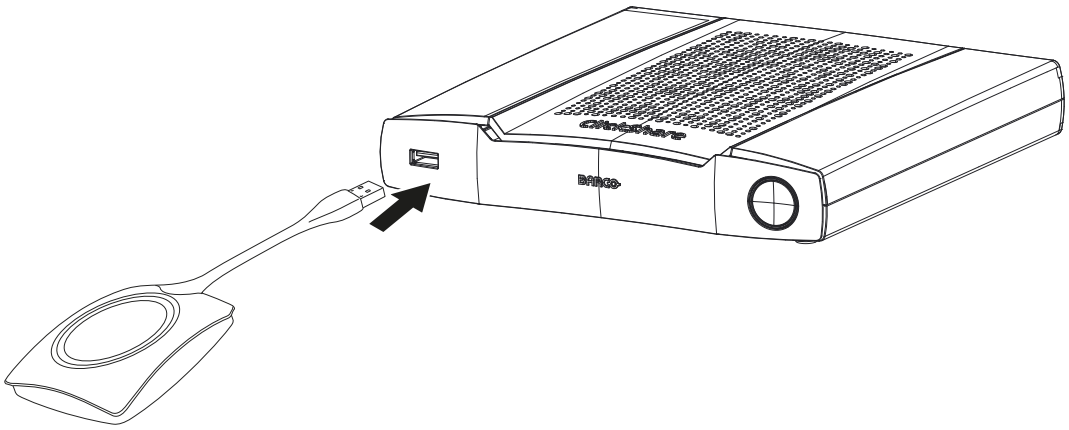

Image 3–22 Pair Button

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.

# 3.8 Blackboarding & Annotation

### About blackboarding

Blackboarding allows you to use the meeting room's touchscreen as a writing board to write or sketch ideas on. Let creativity flow and have more dynamic meetings. With only one tap on the screen, you can save your real-time brainstorming session and share a copy with all meeting participants connected to the ClickShare Base Unit via the Button or via the ClickShare Desktop App.

With only one tap on the touch screen, you can select the blackboarding functionality. Combining a touch display and a wireless collaboration tool drives the productivity and engagement in your meeting room. With an additional tap on the screen, you can select the 'save' option. Saved sessions can be found on your laptop under c: \Users \username \Documents \clickshare-downloads. Files are never saved on the Button or Base Unit.

### About annotation

Annotation gives you the option to add comments directly on presented content via the meeting room's touchscreen. Discuss and make your annotations or notes on the spot, creating an elaborated environment for ideation. With only one tap on the screen, you can save your real-time brainstorming session and share a copy with all meeting participants connected to the ClickShare Base Unit via the Button or via the ClickShare Desktop App.

With only one tap on the touch screen, you can select the annotation functionality. Pick your color and you can start to draw, write, highlight. Combining a touch display and a wireless collaboration tool drives the productivity and engagement in your meeting room. With an additional tap on the screen, you can select the 'save' option. Saved annotations can be found on your laptop under c: \Users \username \Documents \clickshare-downloads. Files are never saved on the Button or Base Unit.

## 3.8.1 Start the blackboarding mode

### How to start

1. Tap with 2 fingers at the same time, approximatly the same place, for about 500 ms on the touch panel.

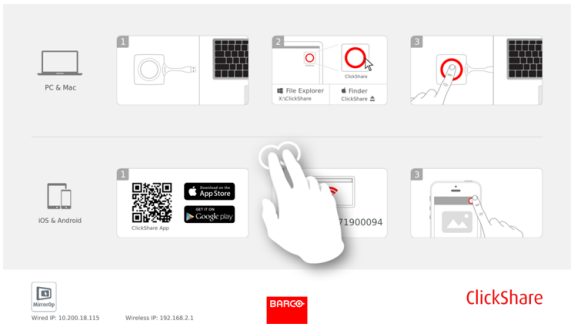


Image 3–23 Start blackboarding mode

*Note:* A selection must be made within 10 seconds. If not, the Base Unit will close the selection menu and returns to the presenter mode.

The selection menu with *Blackboard* and *Annotation* opens on the current presented content. When nothing is shared, only *Blackboard* will be available in the menu.

2. To start the blackboard functionality, tap on **Blackboard**.




Image 3–24 Start blackboard

*Note:* When tapping next to menu, the Base Unit will return to the presenter mode.

The current content will be hidden. No clients should be disconnected. A black background is shown. The screen is empty when no previous backboard has been used. Otherwise previous content is shown again.

3. To start the annotation functionality, tap on **Annotation**.

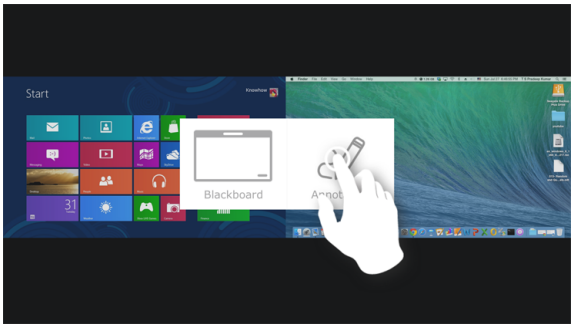


Image 3–25 Start annotation

*Note:* When tapping next to menu, the Base Unit will return to the presenter mode.

No clients should be disconnected. The current shared screen(s) will be captured and used as background. No previous content can be shown again.

## 3.8.2 Drawing tools

### Pen

Click on the Pen icon to start the drawing functionality. Draw with you finger on the screen.

### Erase

Click on the Erase icon to start the erase functionality. Erasing can be done with single finger or with multiple fingers. The eraser grows in size depending on the speed of the movement. The erased parts are indicated with a circular overlay.

### Size

Allows you to switch between different pen sizes. The default is medium.

Tap on the **Size** icon to open en drop down menu with 4 different pen thicknesses options.

- small
- medium
- large
- x-large

Tap on a desired thickness to change the current selected pen thickness. The current selected size is not repeated in the list.

### Color

Allows you to switch between the different pen colors. The default color is white.

Tap on the Color icon to open the drop down menu with 5 different colors.

- black
- white
- red
- blue
- yellow

Tap on the desired color to change the pen color. The current select color in the toolbar will change to the new selection. The current selected color is not repeated in the list.

### Grid

Tap on the Grid icon to toggle the grid on or off. When on, a grid will be shown where the distance between the lines is 5% of the width of the screen. The horizontal and vertical distance will be the same.

### Clear

Click on the Clear icon to clear the current drawing. A warning message “Are you sure you want to clear the page?” will be displayed.

Click on **OK** to clear the content.

Click on **Cancel** to keep the content.

## 3.8.3 Saving a drawing on a USB stick

### How to save

1. Insert a USB stick in one of the USB inputs of the Base Unit.

   *Note:* USB stick must be formatted with FAT32.

2. Click on **Save** icon.

   The current drawing is saved on the USB stick as PDF with as file name the meeting room name and current date.

   When saving a blackboard drawing, the white and the black lines are inverted. The white annotations become black and the black annotations become white.

When no USB stick is found, the Base Unit will look for connected buttons. When even no buttons are connected a warning will be displayed: “The blackboard can not be saved. Please connect a USB to the ClickShare Base Unit or plug in a Button on your laptop”. This message will be dismissed after 10 seconds.

## 3.8.4 Saving a drawing to connected clients

### How to save

1. Click on **Save** icon.

   The Base Unit checks whether there are Buttons connected.

   The connected client will receive a pop-up message requesting to save the file on his device.

2. Accept the blackboard file.

   The Base Unit will transfer the file to the Button client and the file will be saved on the user's device within the user's home folder. The file will be saved as a PDF file with as file name the meeting room and current date.

When there is also an USB stick (FAT32 formatted) inserted in the Base Unit, the file will be saved on this USB stick at the same time.

## 3.8.5 Returning to Presenter mode

### How to return

1. Click on the **Close** (Cross) button in the lower right corner.

   The Base Unit returns to Presenter mode.

   The content of the Blackboard is not cleared. When returning to the blackboarding mode, the previous content will be displayed.

   The content of the Annotation mode is cleared and cannot be reused when restarting the annotation mode.

# 3.9 Touch Back

## About Touch Back

Touch Back support on your wireless collaboration solution allows you to control any application on your laptop via the touch screen in the room, instead of using a computer mouse or clickers. You can control data with your finger or with a specified stylus. Stay in control of your presentation, and don't let technical limitations interrupt the flow of your meeting anymore.

No need to go back to your laptop or use unreliable clickers to move to the next slide. Simply tap the screen to switch slides. And with a few touches on the screen, you can also open other presentations, share mails or start a video. With one tap on a touch screen, you can also select the blackboarding or annotation functionality. The combination of a touch display and a wireless collaboration tool drives the productivity and engagement in your meeting room.

- It gives you the opportunity to present more freely within the meeting space
- You can start to ideate on content real-time.
- Collaborate more interactive and creatively.
- Get higher engagement from the participants.
- Technical limitations of the room are not hindering the flow of the presentation or meeting.
- It boosts spontaneous collaboration, giving people the opportunity to use the specific extras like easy access to online content, cloud drives or photos, zoom, annotate, blackboarding…

## What you need to use Touch Back

- You need a Button successfully paired and updated with the corresponding Base Unit.
- A supported touch panel display. A list of supported displays is listed on Barco's website in "*The ClickShare Supported Touch Panels Whitepaper*".

## How to use Touch Back

- Tap once to control your laptop instead of using the computer mouse.
- To right-click, the touchscreen needs to be pressed for about 2-3 seconds long.
- Touchback can be enabled/disabled by touching the icon on the bottom right on the meeting room display

## Points to know

- The best performance is achieved by sharing without audio.
- When sharing the extended desktop, a small lag might be observed.
- Native touchscreen functionalities cannot be used in combination with Touch Back. Ideally, they need to be disabled.

# 4 Troubleshooting

# 4.1 Basic Troubleshooting

## Problem solving

In this chapter some problems that might occur while using CSE-200+ are listed. For each problem possible causes are given and a solution is proposed. If you cannot solve the problem yourself, please contact your local IT administrator.

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

| Problem | Cause | Solution |
|---|---|---|
| | The Button's software is not compatible with that of the Base unit | Re-pair and update the software of the Button by inserting it in the front USB port of Base Unit. |
| | Wallpaper is disabled | If you connect a Button and start sharing, the content should be shown. |
| After inserting the Button into your laptop, you cannot find the ClickShare drive. | No automatic refresh of drives. | Refresh the view on your laptop. |
| | Bad connection at USB port on laptop. | • Reconnect to the USB port.<br>• Try another USB port.<br>• 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.<br>• Disable AeroGlass in Windows 7<br>• 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.




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