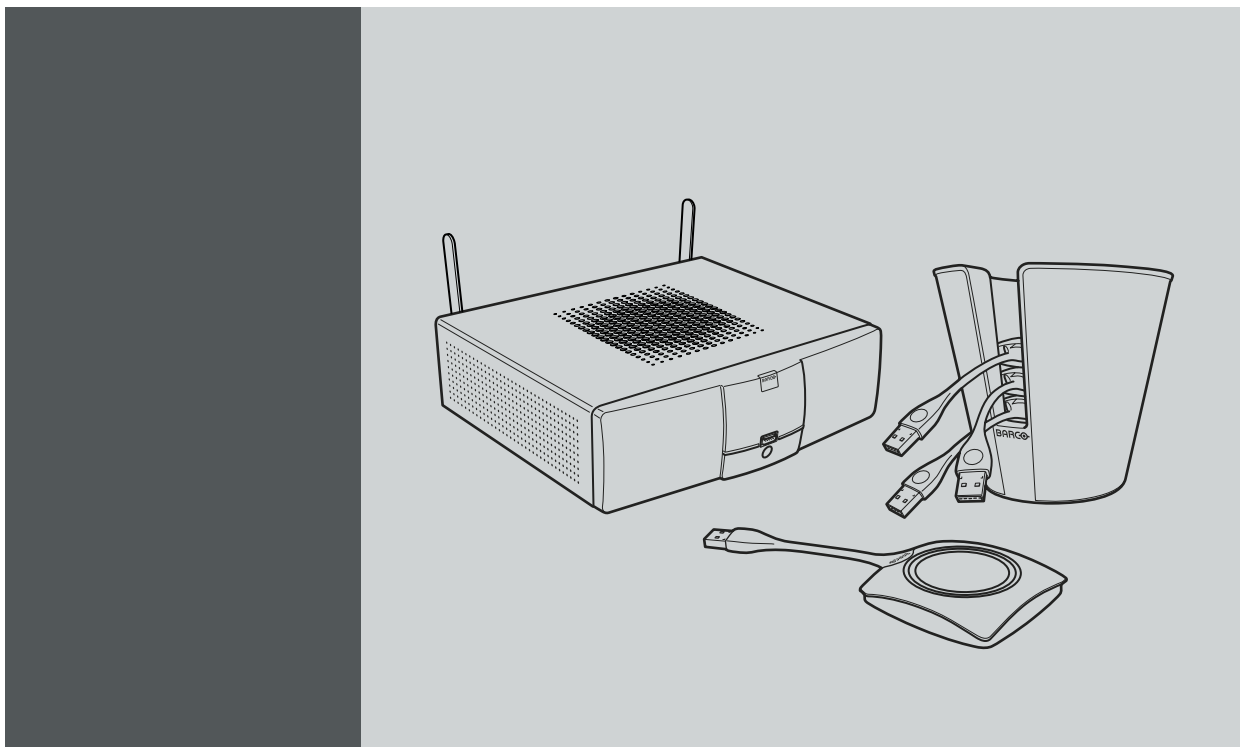


ClickShare



Installation Guide

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

Disposal Information

Waste Electrical and Electronic Equipment



■ This symbol on the product indicates that, under the European Directive 2002/96/EC governing waste from electrical and electronic equipment, this product must not be disposed of with other municipal waste. Please dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

For more information about recycling of this product, please contact your local city office or your municipal waste disposal service. For details, please visit the Barco website at: <http://www.barco.com/en/AboutBarco/weee>

Disposal of batteries in the product



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

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

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

EN55022/CISPR22 Class A ITE (Information Technology Equipment)

Class A ITE is a category of all other ITE which satisfies the class A ITE limits but not the class B ITE limits. Such equipment should not be restricted in its sale but the following warning shall be included in the instructions for use:

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

Federal Communication Commission Interference Statement

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 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.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:

FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body. If this device is going to be operated in 5.15 ~ 5.25 GHz frequency range, then it is restricted in indoor environment only. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Base Unit:

- Contains FCC ID: RYK-WPEA121N
- IC: 4104 A-AR5BHB116

Button

- Contains FCC ID: XF 6-RS9110N1103
- IC: 8407 A-RS9110N1103

Turkey RoHS compliance



■ Türkiye Cumhuriyeti: EEE Yönetmeliğine Uygundur.

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

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

文件说明书	0	0	0	0	0	0
Paper Manuals						

O: 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T 11363-2006 标准规定的限量要求以下.

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Image -1

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1. INTRODUCTION TO THE INSTALLATION GUIDE

In this section you get a short introduction to the available ClickShare documentation.

- About this Guide
- About the documentation
- Symbols and fonts

1.1 About this Guide

Version

Partnumber	Description	Level
R5900004	Installation Guide	Installation engineer



Always check for the latest version of the manual on <https://my.barco.com>.



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

1.2 About the documentation

List of available ClickShare documents

The ClickShare documentation consists of the following manuals:

Guide	Article number
User Guide	R5900001
Quick Start Guide	R5900002
IT & Facilities Guide	R5900003
Installation Guide (this guide)	R5900004
Safety Guide	R5900005
Service Guide	R5900006
Button Guide	R5900007
Rack Mount Guide	R5900008
Recycling Manual	R5900009



A printed copy of the Safety Guide and the Quick Start Guide is included in the ClickShare box at purchase. Please check online for the other documents.

This installation guide explains how to install ClickShare in a meeting room and how to make it operational. It also provides detailed information on how to configure ClickShare.

1.3 Symbols and fonts

Symbol overview

The following icons are used in the manual :

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

Font overview

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

2. CLICKSHARE SPECIFICATIONS

This chapter gives an overview of the different parts of the ClickShare product.

- About the product
- About the Base Unit
- About the Button
- About the Tray

2.1 About the product

Main Components

The standard ClickShare Set consists of a Base Unit, a Tray and 4 Buttons. Depending on the location you buy the product, the software of the Base Unit is different. If needed, you can buy additional Buttons and Trays.

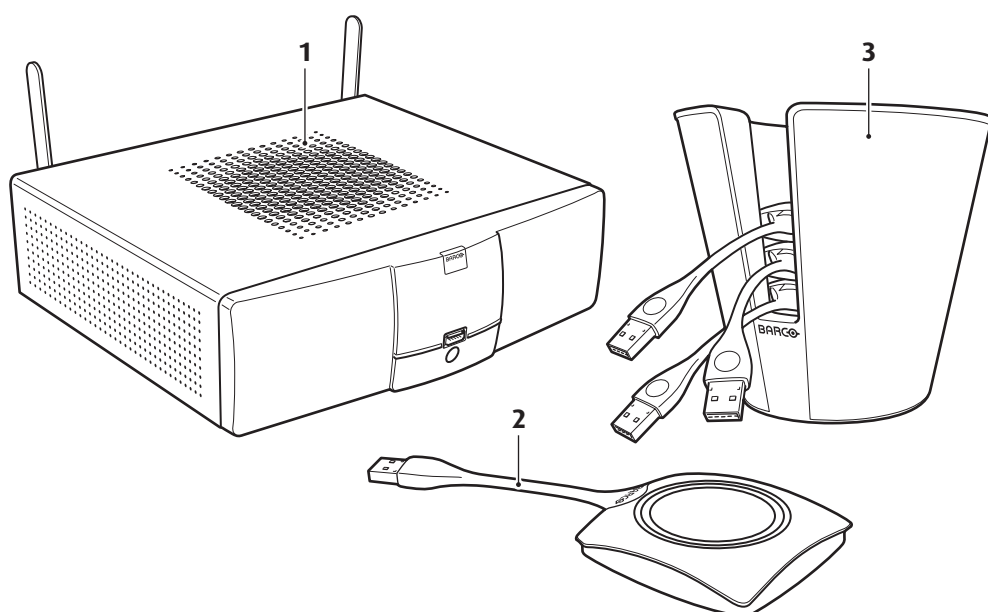


Image 2-1
ClickShare main components

- 1 Base Unit
- 2 Button
- 3 Tray

Accessories

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

Regional version	Accessories included
European version	• power cables of type C and type G • wall/ceiling mounting brackets • a DVI to VGA converter
Japanese version	• power cable of type A • wall/ceiling mounting brackets • a DVI to VGA converter
Chinese version	• power cable of type I CCC • wall/ceiling mounting brackets • a DVI to VGA converter
North American version	• power cable of type A • wall/ceiling mounting brackets • a DVI to VGA converter

2.2 About the Base Unit



Base Unit

The Base Unit receives the wireless input from the Buttons and controls the content of the meeting room display.

The Base Unit can be installed in three different ways. For more information on the actual installation, refer to "Installing ClickShare", page 13.

Front layout of the Base Unit

At the front of the Base Unit you can find a standby button, status LED strips and a USB port.

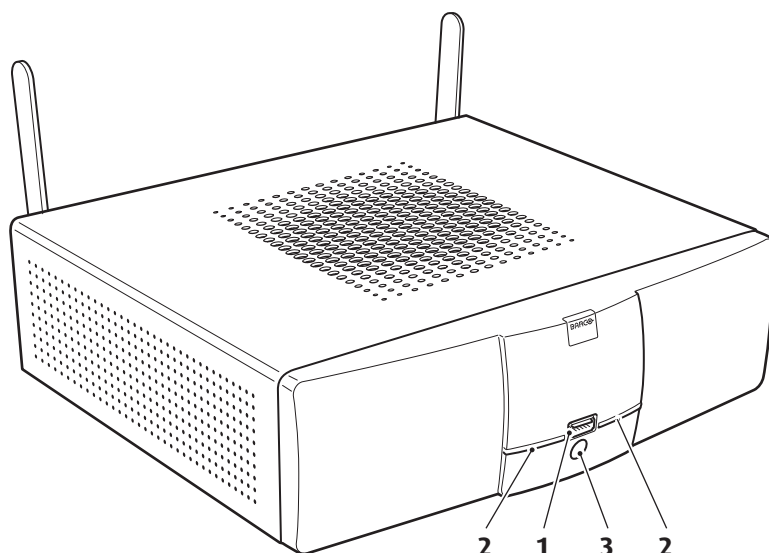


Image 2-2
Base Unit

- 1 USB port
- 2 Status LED strips
- 3 Standby button

USB port

You can use the USB port to update the software of both the Base Unit and the Buttons.

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

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

Status LED strips

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

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

Standby button

The button at the front of the Base Unit has a power on/off function and a standby function.

- When the system is awake, a short push triggers the system to go into standby mode.
- When the system is in standby mode, a short push triggers the system to wake up.
- When the system is powered on, a long push makes the system to shut down and power off.
- When the system is shut down, a long push or short push triggers the system to start up.

Back layout of the Base Unit

At the back of the Base Unit you can find the rocker switch, the label, the ports and connectors of the Base Unit.

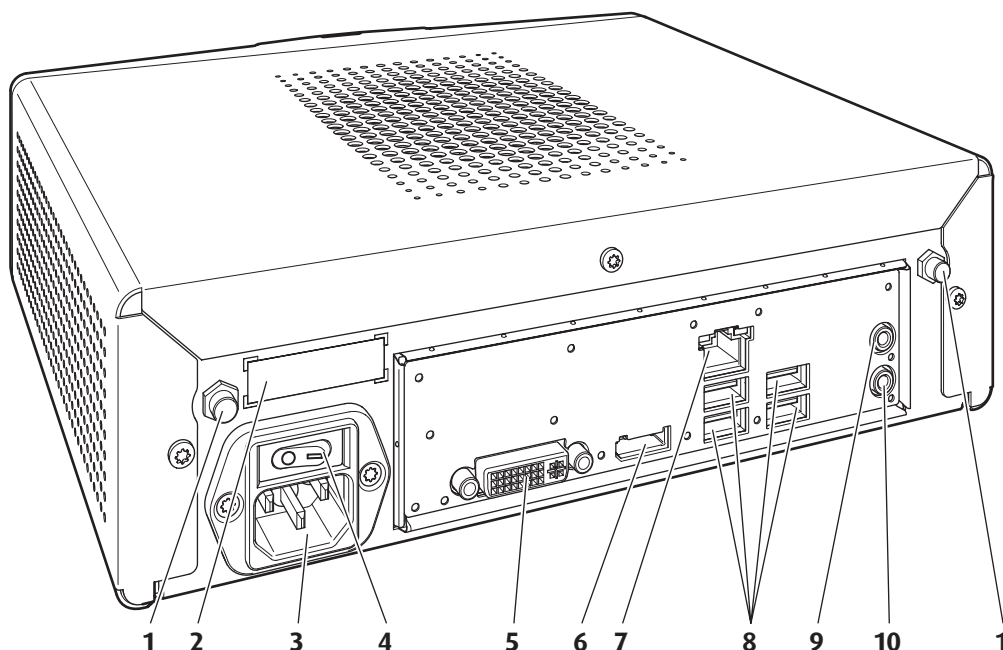


Image 2-3
Backside of the Base Unit

- 1 Fixture points for the antennae
- 2 Label containing the article number and power rating of the product
- 3 Mains power connector
- 4 Rocker switch
- 5 DVI-I display connector
- 6 DisplayPort connector
- 7 LAN Ethernet connection
- 8 4 USB ports
- 9 Audio In port
- 10 Audio Out port

Rocker switch

You can use the rocker switch to power on and off the Base Unit.

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

Mechanical fixture points

At the bottom of the Base Unit you can see the mechanical fixture points.

Antennae

Two antennae are included in the ClickShare box at purchase. To avoid damage during transport, they are not pre-mounted. Depending on the installation method you should secure the antennae to the back of the Base Unit or to the front panel of the rack mount.

You can rotate the antennae for better wireless connection.

Ventilation grids

On the top and sides of the Base Unit you can find ventilation grids.

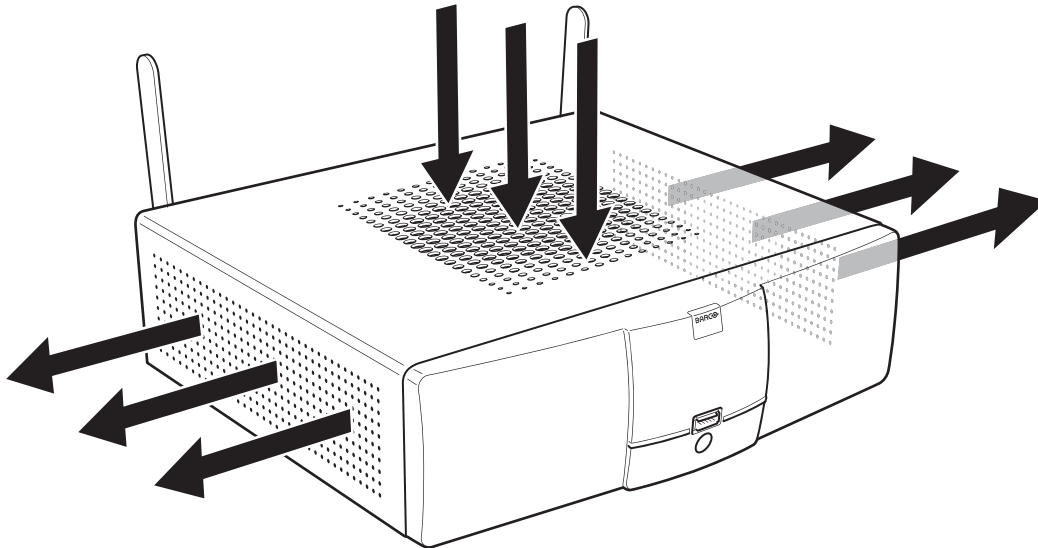


Image 2-4
Ventilation grids IN and OUT



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

Bottom layout of the Base Unit

At the bottom of the Base Unit you can find the serial number label with the applicable certification logos. The serial number label contains:

- the Barco logo
- the Barco part number
- the serial number
- the revision number
- the production date (month/year)
- markings for applicable standards (CE, CCC, UL, ...)
- markings for waste regulation
- "Made in ..."

2.3 About the Button

Button layout

A Button consists of three main components.

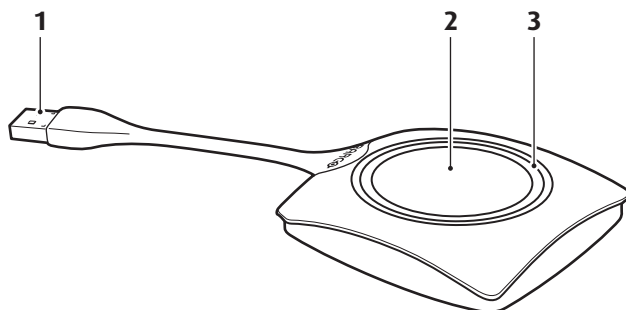


Image 2-5
Button layout

- 1 USB connector
- 2 Button
- 3 LED ring

USB connector

Through the USB connector you can plug the Button in your laptop (for sharing your screen) or in the Base Unit (for pairing the Button to the Base Unit or updating its software).

Button

If you click the button, the content of your screen will be shown on the display. Clicking the button during the meeting will toggle the sharing of your screen.

Holding the button for 2 seconds brings the content of your screen on the display full screen, removing other sources currently displayed.

LED ring

The LED ring indicates the current status of your ClickShare.

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

Button label

The label at the bottom of the Button contains:

- the Barco logo
- the Barco part number
- the serial number
- the revision number
- the production date (month/year)
- markings for applicable standards (CE, CCC, UL, ...)
- markings for waste regulation
- "Made in..."



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

2.4 About the Tray

Tray layout

The function of the Tray is to hold the Buttons on the table after the meeting is finished. The Tray can hold up to 5 Buttons.

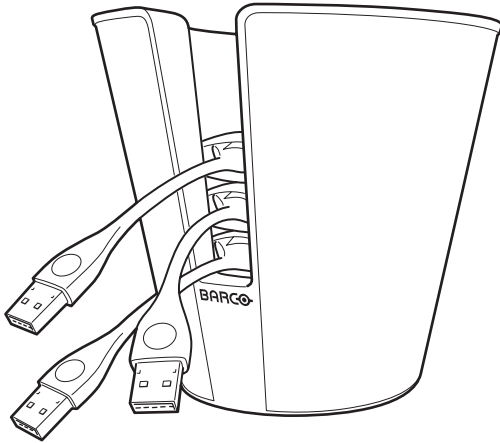


Image 2-6
Tray layout

Article number

You can find the specific article number at the bottom of the Tray.



Do not clean the Tray with products containing alcohol.

3. GETTING STARTED

3.1 Basic Workflow

Before actual use of the ClickShare product you should

1. Unpack the ClickShare components and accessories from the box.
For a detailed overview of the content of the ClickShare box, refer to "About the product", page 5.
2. Install the Base Unit in the meeting room using one of the 3 possible installation methods.
For more information on the installing procedures, refer to "Installing ClickShare", page 13.
3. Connect the Base Unit to the mains power and the display and start up.
For more information on connecting the Base Unit, refer to "Connecting", page 18.
4. If desired, configure your ClickShare via the Web Interface.
You can find more information on different ways to configure your ClickShare in chapter "Configuring ClickShare", page 21.

ClickShare is ready to be used.

For more information on using your ClickShare, refer to the ClickShare User Guide (R5900001). You can find it on the Barco website.

4. INSTALLING CLICKSHARE

This chapter gives an overview of the different ways to install the ClickShare product.

- Installation methods
- On the table
- Wall mounted
- Mounted in a rack
- Mounted to the ceiling
- Connecting



WARNING: Do not connect to the mains power during installation.



WARNING: Make sure the mains power is within range of the users at all times!



CAUTION: You cannot mount the Base Unit under a random angle. It should be mounted horizontal.



WARNING: Only use the antennae that are delivered with the product. Other antennae are not allowed.

4.1 Installation methods

Introduction to the installation methods

There are three different ways to install the Base Unit in a meeting room. The Base Unit can be wall mounted or put on the meeting room table. A third possibility is to mount the Base Unit to the ceiling.

The antennae are removable so they can be fixed to the Base Unit depending on the way the Base Unit is installed in the room. You can rotate the antennae for better wireless connection.



Using extension cables for the antennae is allowed, but this can reduce performance.



For optimal performance, install the Base Unit close to the display and avoid obstacles between the Base Unit and the Buttons. Do not block the fan inlets and outlets of the Base Unit!

4.2 On the table

Placing the Base Unit on a table

You can easily put the Base Unit on a meeting room table.

The total weight of the Base Unit is 2,6 kg.



CAUTION: When placing the Base Unit inside a closed cabinet, make sure there is sufficient ventilation for hot air exhaust.

4.3 Wall mounted



Wall mounted

You can use the mounting brackets included in the ClickShare box to mount the Base Unit to the wall.

The total weight of the Base Unit — including the mounting brackets — is 2,9 kg.

Necessary tools

- a drill (type of drill depends on the type of wall)
- Torx T10 screwdriver
- Additional screwdriver that matches the mounting screws

Necessary parts

- 2 mounting screws
- 2 plugs
- Mounting brackets (included in the ClickShare box)

To install the Base Unit to the wall

1. Drill two holes in the wall, at a distance of 173 mm (6.81 inch) from each other.
2. Tighten 2 screws in the holes using the plugs.
Note: *Mounting screws are not included in the ClickShare box at purchase. The type of screws needed depends on the type of wall (stone, wood, plasterboard, ...) you are mounting the Base Unit to.*
3. Install the Base Unit on the brackets making use of the mechanical fixture points at the bottom of the Base Unit.
Note: *For this purpose you can use the pre-mounted Pan Head T10 M3 screws (refer to image 4-2). Remove them from the Base Unit and reuse them to fixate the brackets to the Base Unit.*

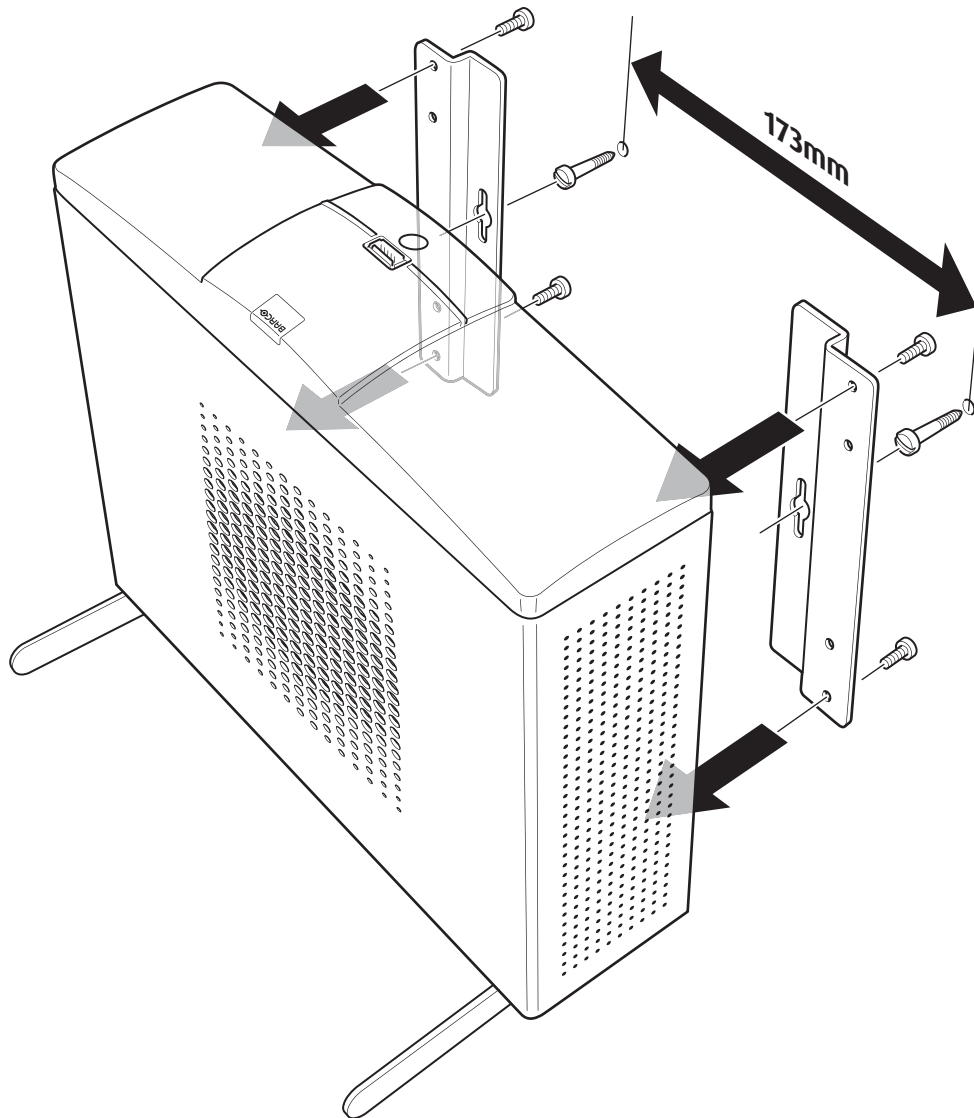


Image 4-1

4. Secure the Base Unit to the wall with its front directed towards the ceiling, by putting the slots over the 2 screws.



CAUTION: It is only allowed to mount the Base Unit front side up or down. Mounting on its side is not allowed!

4.4 Mounted in a rack



Rack mounted

You can also mount the Base Unit in a 19 inch rack. In this case, you need to order a rack mount separately. Please contact your Barco dealer.

The total weight of the Base Unit — including the rack mount plate — is 6,1 kg.

Necessary tools

- Torx T10 screwdriver
- Additional screwdriver that matches the mounting screws

Necessary parts

- A rack mount (to be ordered separately)
- 4 screws (included in the rack mount)

To install the Base Unit in a 19 inch rack

1. Remove the four T10 torx screws at the bottom of the Base Unit.

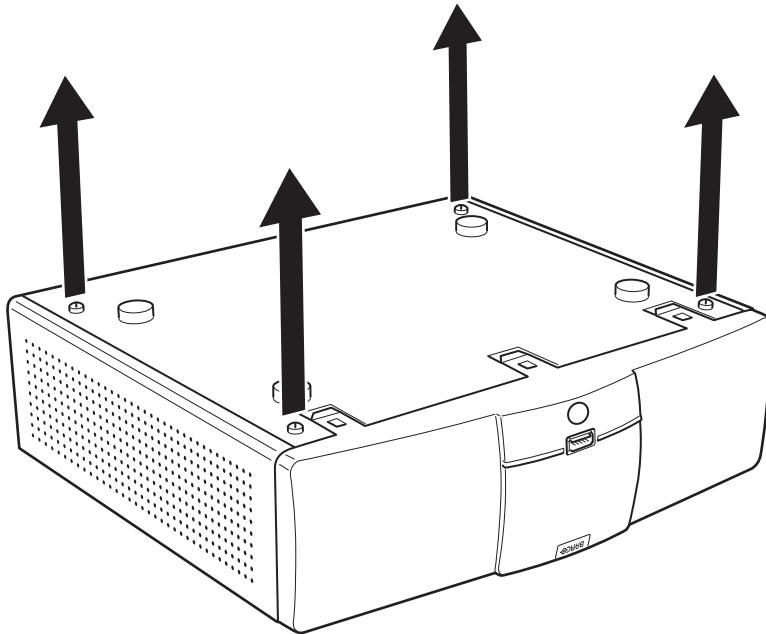


Image 4-2
Removal of pre-mounted screws

2. Place the Base Unit on the rack mount and secure it by using the four T10 torx screws. Refer to "1" on the figure below.
3. Fasten the antennae to the front panel of the rack mount. Refer to "2" on the figure below.

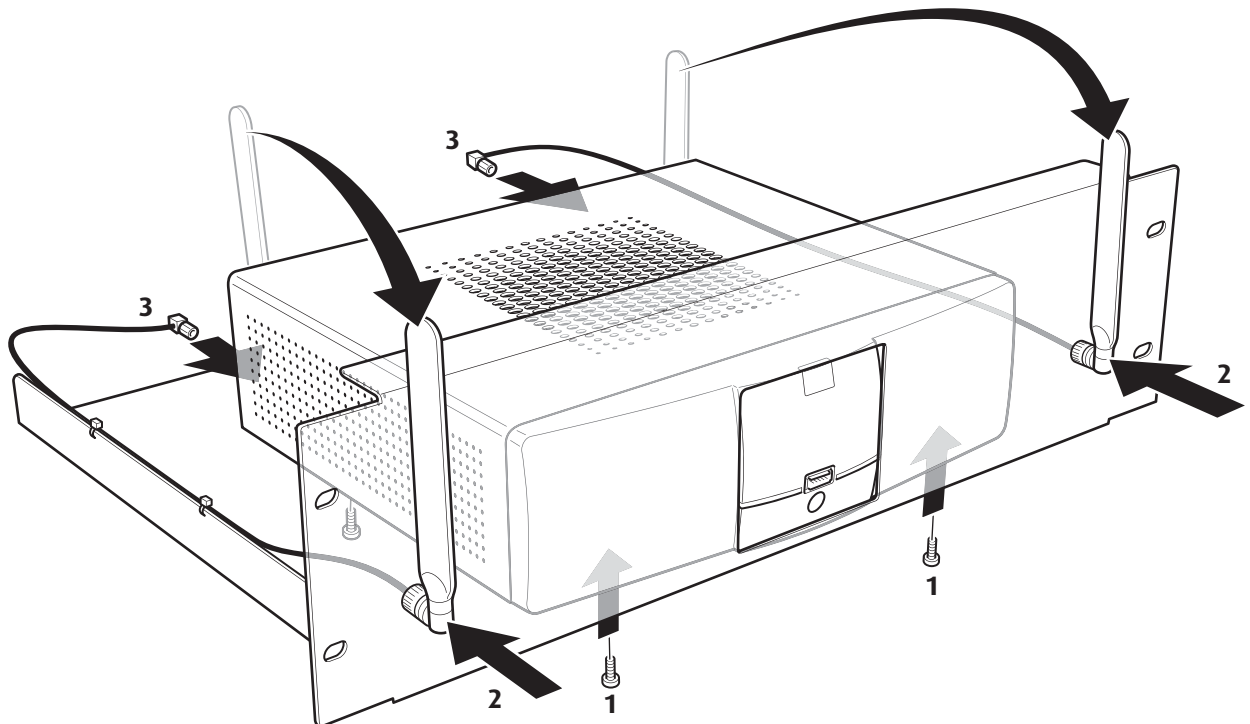


Image 4-3

4. Tighten the antenna cables to the back of the Base Unit. Refer to "3" on the figure above.
5. Use the four included screws to mount the rack mount into the rack.

4.5 Mounted to the ceiling



Mounted to the ceiling

You can use the mounting brackets included in the ClickShare box to mount the Base Unit to a (false) ceiling.

Necessary tools

- a drill (type of drill depends on the type of ceiling)
- T10 torx screwdriver

Necessary parts

- Mounting brackets (included in the ClickShare box)
- 4 mounting screws

To install the Base Unit to the ceiling

1. Drill four holes in the ceiling according to the dimensions indicated in the picture below.

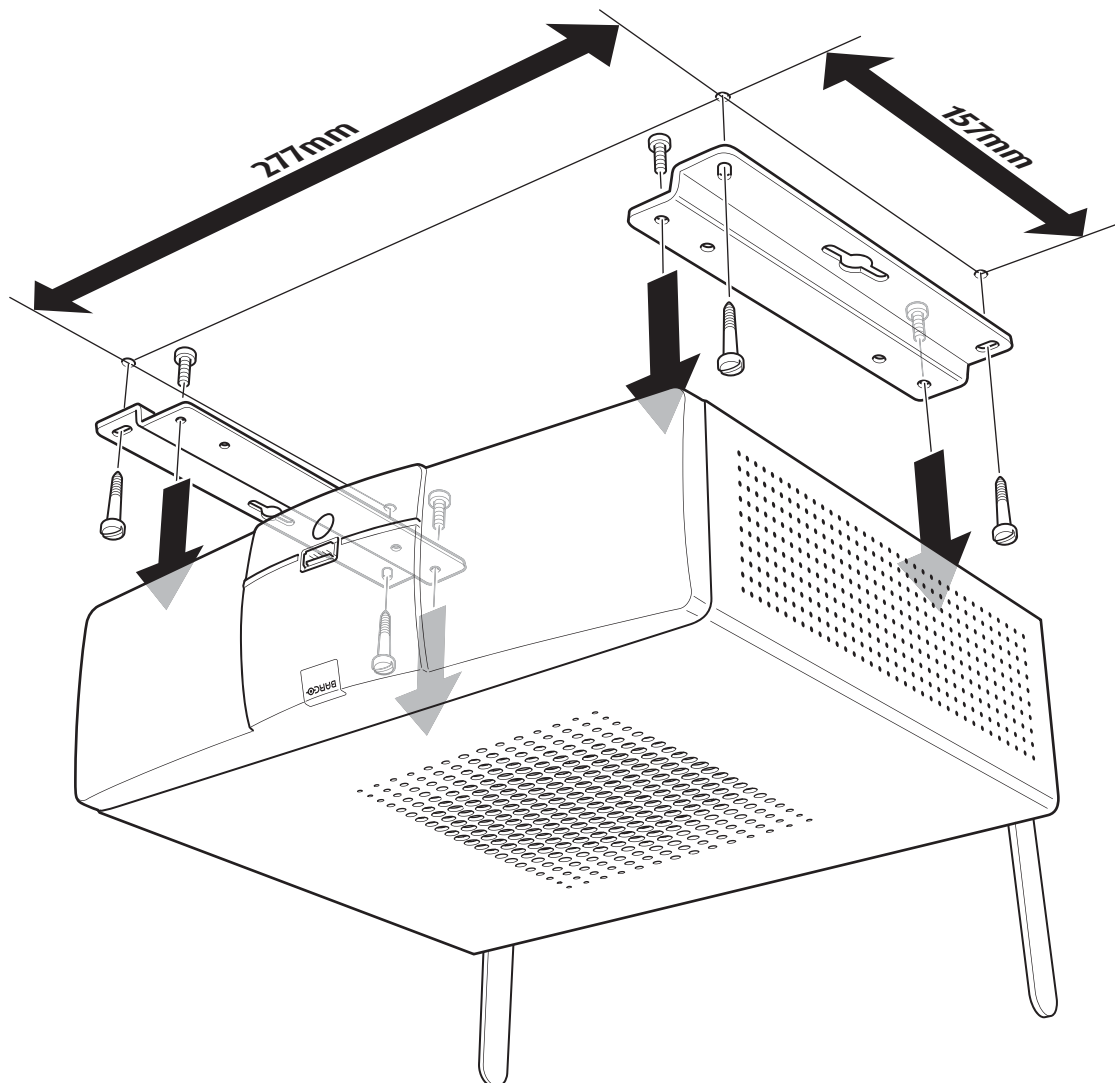


Image 4-4

2. Remove the four T10 torx screws at the bottom of the Base Unit.

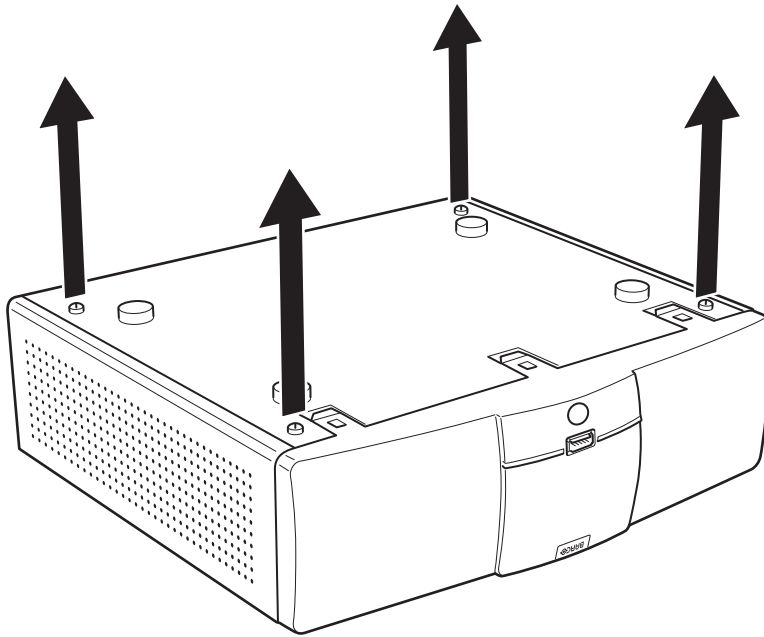


Image 4-5

3. Secure the mounting brackets to the Base Unit using the four T10 screws.
4. Mount the Base Unit to the ceiling with the four mounting screws.

Tip: This procedure should be performed by two people: one person holding the Base Unit in place, one person tightening the screws.

4.6 Connecting



CAUTION: Make sure the Base Unit is installed properly before connecting.

To connect the Base Unit before use

1. Plug the power cable in the mains power connector at the back of the Base Unit
Refer to "1" on the figure below.
Note: The local variant of the power cable is included in the ClickShare box at purchase.
2. Connect the Base Unit to the display using a display cable.
Refer to "2" on the figure below.
Note: A display cable is not included in the ClickShare box at purchase.

Supported types of displays are:
 - Single Link DVI
 - DisplayPort
 - VGA: use the adapter included in the ClickShare box
 - HDMI: use an adapter cable (not included in the box)
3. If you want to change settings on the web interface during installation, insert a network cable in the LAN port.
Refer to "3" on the figure below.
4. To power on the Base Unit, set the rocker switch to "1".
Refer to "4" on the figure below.

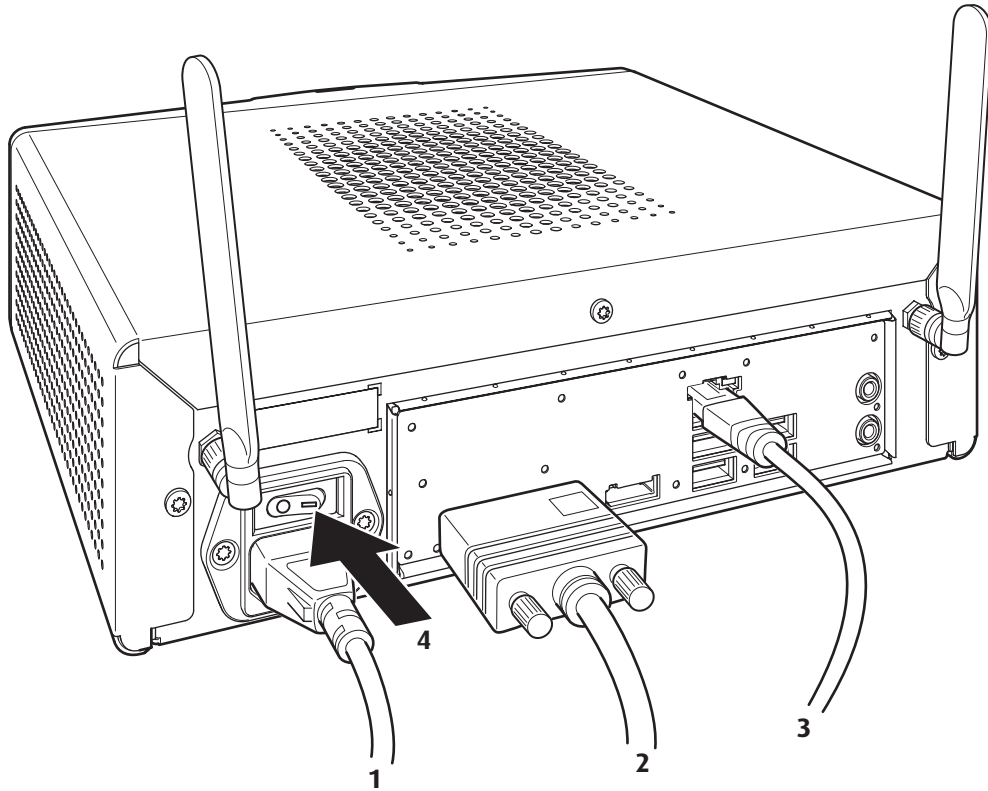


Image 4-6

5. CONFIGURING CLICKSHARE

In this section you get an overview of how you can configure the ClickShare product.

- Pairing
- Pre-install of the Client software
- Web Interface
- Software update

5.1 Pairing

Pairing of the Buttons to 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 four Buttons delivered in the ClickShare set are already paired to the specific Base Unit.

In case you buy additional Buttons or when a Button should be assigned to another Base Unit, the Button needs to be paired (again). When updating the Base Unit software, it is advised to also pair your Buttons with the Base Unit 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.

To pair a Button to the Base Unit

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

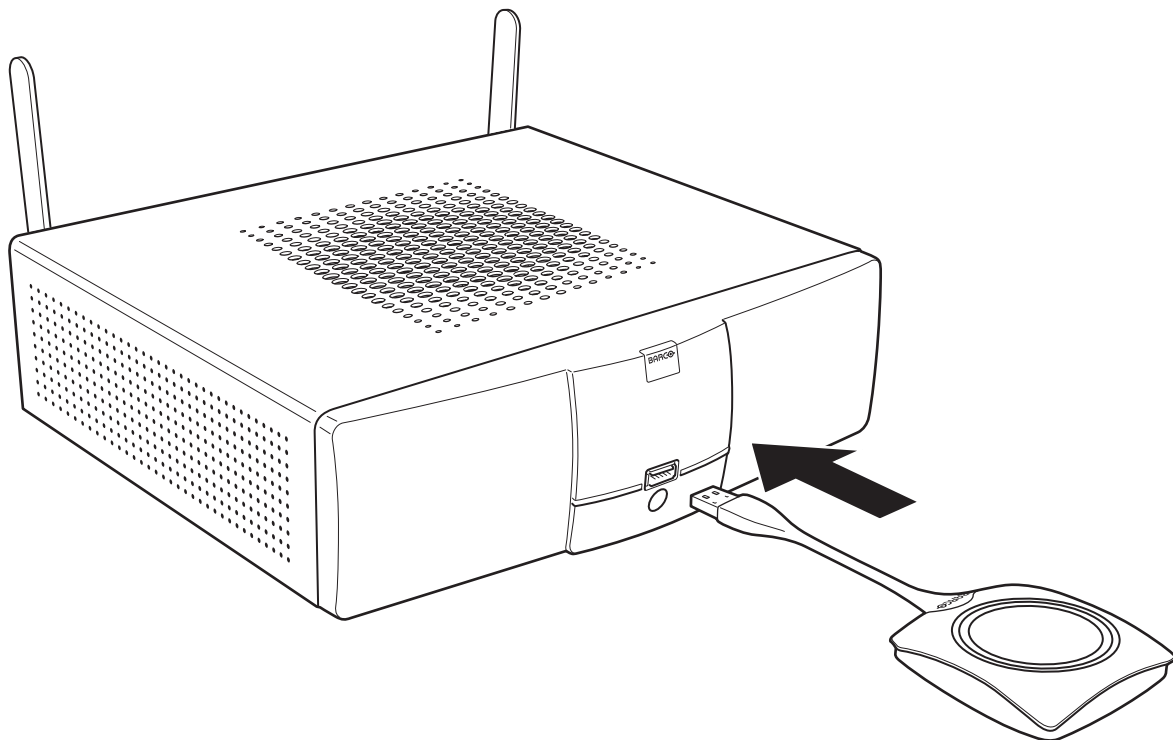


Image 5-1
Inserting Button into the Base Unit

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.

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.

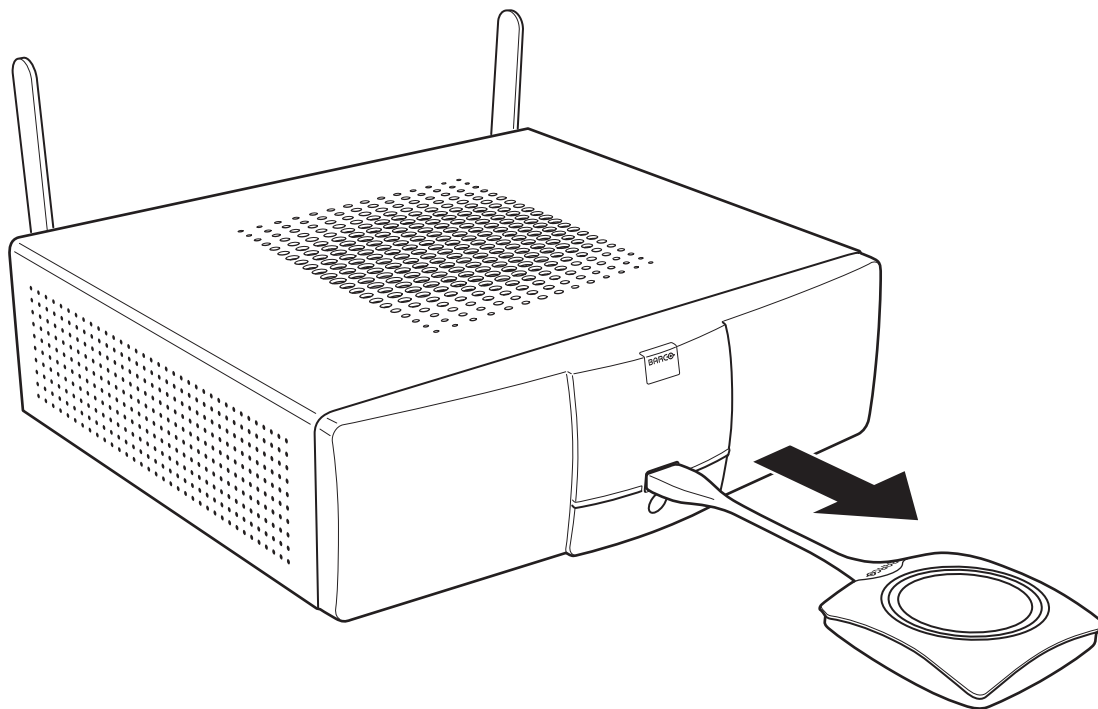


Image 5-2
Unplug Button from Base Unit

The Button is now ready for use.

5.2 Pre-install of the Client software

Client pre-install

You can pre-install the ClickShare software on your laptop or on company level. How this is done depends on your IT infrastructure.

When the software is pre-installed, a launcher application runs in the background. When you plug the Button in your laptop, the ClickShare application will be run from the Button automatically. There is no need to run the file from the Button.

The pre-installer can be downloaded from the Barco website or from the Button mass storage drive in the folder **Launcher service**.

5.3 Web Interface

Overview

- Accessing the ClickShare Web Interface
- Configuring ClickShare through the Web Interface

5.3.1 Accessing the ClickShare Web Interface

Getting access to the Web Interface

There are three ways to access the ClickShare Web Interface:

- Via the LAN
- Via a crossed cable
- Via the Base Unit wireless network

To access the Web Interface via the LAN

1. Open a browser.

Note: Supported browsers are Internet Explorer, Firefox, Google Chrome and Safari.

2. Browse to the IP address you can find in the top left corner of the ClickShare welcome screen.

Note: The IP address is only visible when the Base Unit is connected to the LAN.

A login screen appears.

3. Enter the user name 'admin' and the password and click **OK**.

By default, the password is set to 'admin'.

The web interface opens.

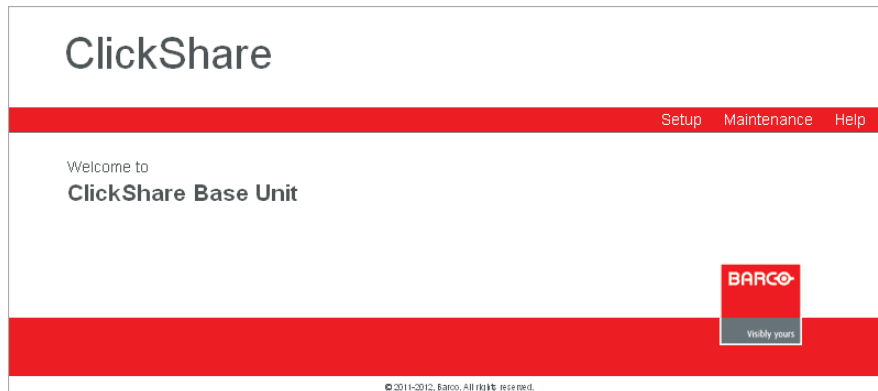


Image 5-3

The ClickShare web interface contains three tab pages: **Setup**, **Maintenance** and **Help**.



If you cannot find the IP address (e.g. there is no screen available) you should connect to the Base Unit directly with your laptop via an Ethernet crossover cable and access the web interface using the fixed IP address 192.168.1.23. Make sure your own LAN adapter is set in the 192.168.1. range.

To access the Web Interface via a crossed cable

1. Connect the Base Unit to your laptop using a crossed cable.
2. On your laptop, open a browser.
Note: Supported browsers are Internet Explorer, Firefox and Safari.
3. Browse to <http://192.168.1.23>.
A login screen appears.
4. Enter the user name 'admin' and the password and click **OK**.
By default the password is set to 'admin'.
The web interface opens.

To access the Web Interface via the Base Unit wireless network

1. On your laptop, connect to the Base Unit wireless network.
The default SSID and password to connect to the Base Unit are respectively 'ClickShare-<serial base number>' and 'clickshare'.
2. On your laptop, open a browser.
Note: Supported browsers are Internet Explorer, Firefox and Safari.
3. Browse to <http://192.168.2.1>.
A login screen appears.
4. Enter the user name 'admin' and the password and click **OK**.
By default the password is set to 'admin'.
The web interface opens.

5.3.2 Configuring ClickShare through the Web Interface

Setup

On the **Setup** tab page of the web interface you can add a welcome text to your screen, choose a specific wallpaper, change the display resolution and adapt some other advanced settings.

Changing the basic settings

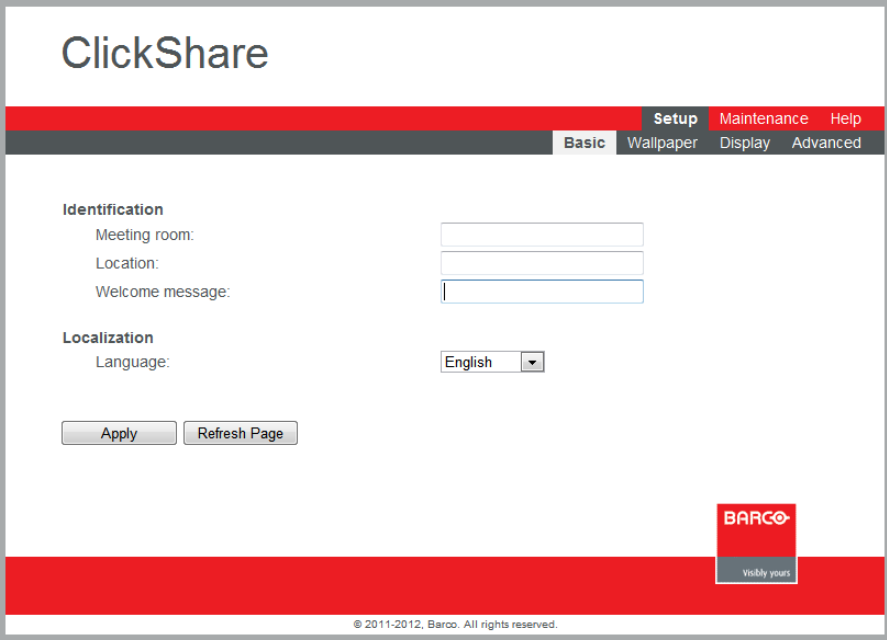
On the **Basic** tab page you can enter the name of the meeting room, add a welcome message and the location that will appear on the screen. It is also possible to change the language of the web interface.

To change the basic settings

1. Go to the ClickShare web interface.

2. Click the **Setup** tab and click **Basic**.

The **Basic** tab page is displayed.



The screenshot shows the ClickShare web interface. At the top, there's a red header with the 'ClickShare' logo. Below it is a navigation bar with tabs: 'Basic' (selected), 'Wallpaper', 'Display', 'Advanced', 'Setup', 'Maintenance', and 'Help'. The main content area is divided into two sections: 'Identification' and 'Localization'. The 'Identification' section has three text input fields for 'Meeting room:', 'Location:', and 'Welcome message:'. The 'Localization' section has a dropdown menu for 'Language:' set to 'English'. At the bottom left of the form are 'Apply' and 'Refresh Page' buttons. At the bottom right is the BARCO logo with the tagline 'Visibly yours'. A footer at the very bottom reads '© 2011-2012, Barco. All rights reserved.'

Image 5-4

3. In the **Identification** section you can now
 - enter the name of the meeting room
 - add a welcome message to the screen
 - enter a location

Note: The name of the meeting room is used by the Client software to identify the Base Unit it is connected to.

4. Choose the language you prefer for the web interface.
5. Click **Apply** to confirm your changes.

The web interface language has been changed and the data you entered appear in the top left corner of the display.

Meeting room 2
Welcome to Barco ClickShare
Wired IP = 11.10.181.94



Image 5-5

Choosing a specific background

If desired, you can choose another ClickShare background wallpaper.

To choose another background wallpaper

1. Go to the ClickShare web interface.
2. Click the **Setup** tab and click **Wallpaper**.

The **Wallpaper** tab page is displayed.

ClickShare



Choose a background wallpaper

Image 5-6

3. Select one of the available wallpapers and click **Apply**.

Note: By default, two wallpapers are present: a general Barco ClickShare wallpaper and the ClickShare Quick Start Guide.

The following message appears.

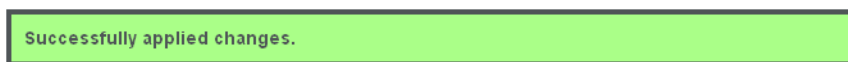


Image 5-7

The selected wallpaper is now in use.



You can also add a personal wallpaper, e.g. your company logo. For more information on adding a new wallpaper to the list, see [Managing background wallpapers](#).

Managing background wallpapers

Via the web interface you can upload a personal background wallpaper.

To manage your background wallpapers

1. Go to the ClickShare web interface.
2. Click the **Setup** tab and click **Wallpaper**.

The **Wallpaper** tab page is displayed.

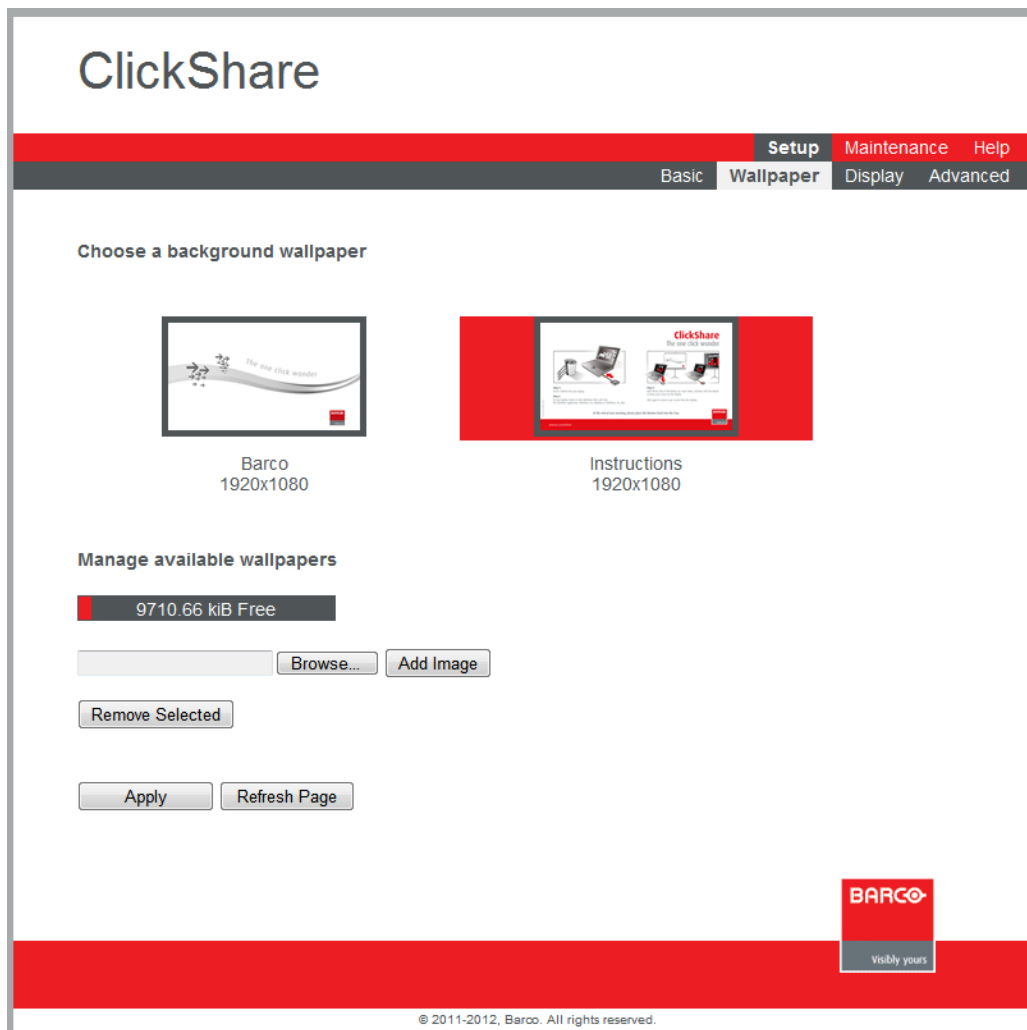


Image 5-8

3. In the **Manage available wallpapers** section, click **Browse**.

4. In the **Choose file** window, browse to the specific wallpaper you want to add and click **Open**.

Note: The wallpaper should be in JPEG, PNG, BMP, GIF or TIFF format. Maximum file size per uploaded file is 2MB.

5. Click **Add image**.

The wallpaper is added to the list above.

6. Select the added wallpaper and click **Apply** to make it the current wallpaper.

Note: If desired, select a wallpaper in the list and click **Remove selected** to delete it.

Changing display settings

On the **Display** tab page of the web interface, you can adapt the display settings.

To change the display settings

1. Go to the ClickShare web interface.
2. Click the **Setup** tab and click **Display**.

The **Display** tab page is shown.

ClickShare

Setup Maintenance Help

Basic Wallpaper **Display** Advanced

Display Settings

Resolution: Custom 1600 x 900

Standby Timeout: Infinite minutes

On-screen Text Format

Enabled: ☒ Yes ☐ No

Text Color: #000000

Text Size: Medium

Text Style: Plain

Background Color: #000000

Transparency: 100

Apply Refresh Page

BARCO

Visibly yours

© 2011-2012, Barco. All rights reserved.

Image 5-9

3. In the **Resolution** drop-down list, select the desired resolution or select **Custom** to enter a resolution (not present in the list) manually.

Note: By default, the correct resolution is automatically set through the EDID (Extended Display Identification Data).

Note: The maximum output resolution supported by ClickShare is 1920 x 1200. This includes Full HD 1920 x 1080.

4. In the **Standby Timeout** drop-down list, select the time interval of inactivity after which the display output is disabled (standby mode).

By default, the standby time-out is set to 'Infinite'.

5. Click **Apply** to confirm your changes.

Note concerning reduced blanking

The timings of the ClickShare Base Unit display output are based on the information contained in the EDID of the meeting room display or projector. Such an EDID contains at least the following information:

- Information on supported "Established Timings" (most legacy timings, e.g. 720x400@70Hz, 88Hz; 800x600@56Hz, 60Hz, 72Hz, 75Hz; ... ; ...)
- Standard Timing Identifications (e.g. 1280x1024@60Hz, 1600x1200@60Hz,...)
- Detailed Timing Information. This is the "Preferred Timing" of the display and usually the most important information in the EDID. It describes in full detail the preferred timing: pixel clock, active pixels, active lines, blanking, sync width, sync offset (horizontal and vertical),...

When the ClickShare Base Unit display output is put in auto mode, the display output timings will be based on the Preferred Timing as described in the meeting room display or projector EDID.

When resolution is selected manually, the timings of this resolution are taken from the information described in the meeting room display or projector EDID. If the timing is not described in the EDID, the timing is generated by the Base Unit following the VESA CVT standard with reduced blanking. The calculation is based on the official VESA calculation.

For example when the meeting room display or projector has native WUXGA resolution (1920x1200), this will be described by the Detailed Timing Information in its EDID. In this case Full HD resolution (1920x1080) will not be described by the EDID. When in auto mode, the Base Unit will use the WUXGA timing as described in the EDID. But when putting it in 1920x1080 mode manually, the timing will be according to VESA CVT with reduced blanking.

Changing on-screen text format

Via the web interface, you can change the color and style of the text and background.

To change the on-screen text format

1. Go to the ClickShare web interface.
2. Click the **Setup** tab and click **Display**.

The **Display** tab page is shown.

The screenshot shows the ClickShare web interface with the 'Display' tab selected. The 'On-screen Text Format' section is expanded, showing the following settings:

- Enabled:** ☒ Yes
- Text Color:** #000000
- Text Size:** Medium
- Text Style:** Plain
- Background Color:** #000000
- Transparency:** 100

Buttons for 'Apply' and 'Refresh Page' are located below the settings. The BARCO logo and tagline 'Visibly yours' are in the bottom right corner. The footer text reads '© 2011-2012, Barco. All rights reserved.'

Image 5-10

3. Enable (or disable) changing the on-screen text format.
Note: Enabling or disabling the on-screen text format shows or hides the meeting room name, the welcome message, the location and IP address on the display.
4. Click the icon next to the **Text Color** field to choose the text color you want to be used.
5. Select the desired text style from the **Text Style** drop-down list.
6. Select the desired text size from the **Text Size** drop-down list (**Small**, **Medium** or **Large**).
7. Click the icon next to the **Background Color** text field to choose the background color you want to be used on-screen.
8. If desired, change the transparency.
Enter a value between 0 and 100 percent.
9. To confirm your changes, click **Apply**.
To revert the changes you made, click **Refresh Page**.

Changing advanced ClickShare settings

On the **Advanced** tab page of the web interface you can change the LAN network settings and the wireless connection settings.

To change the LAN network settings and the wireless connection settings

1. Go to the ClickShare web interface.
2. Click the **Setup** tab and click **Advanced**.

The **Advanced** tab page is displayed.

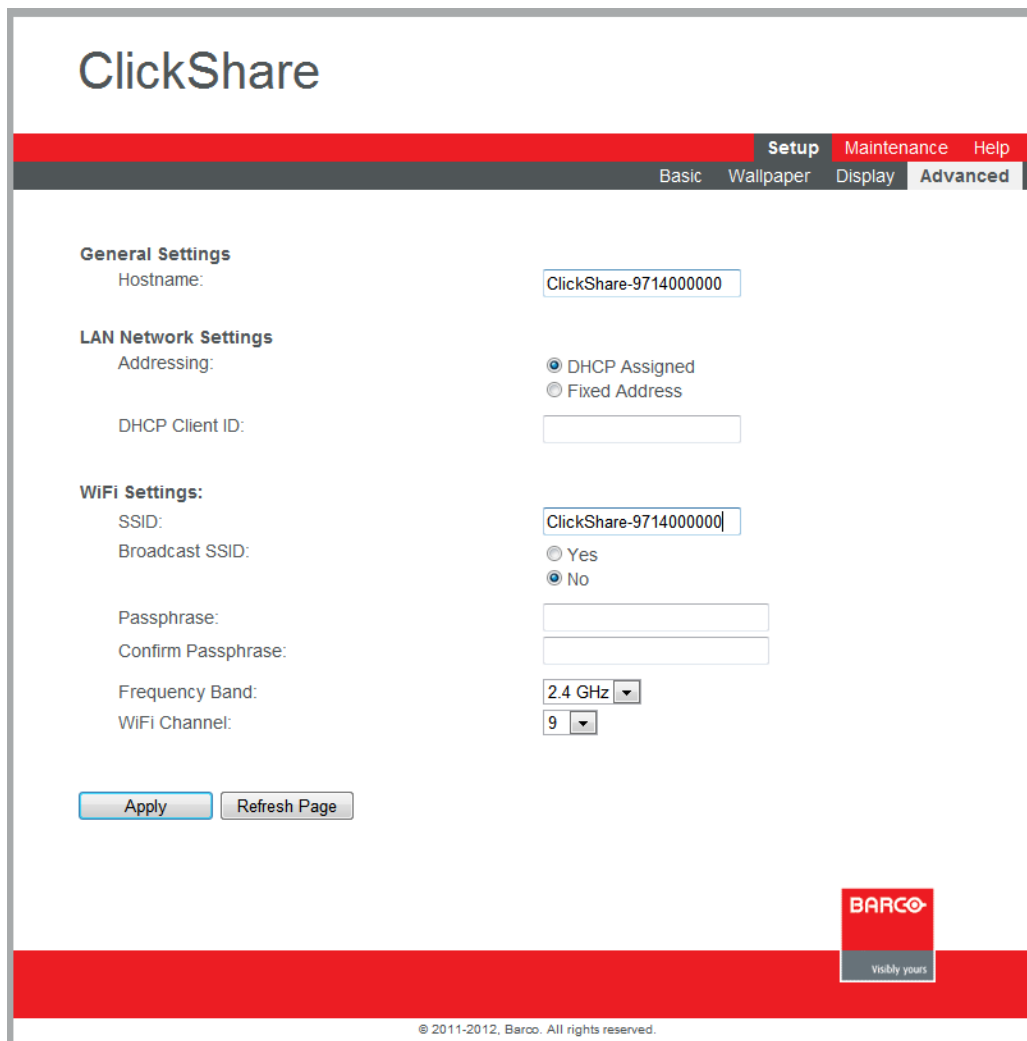


Image 5-11

3. If desired, in the **LAN Network Settings** section, change:
 - the addressing: **DHCP Assigned** or **Fixed Address**.
 - the DHCP Client ID.
 - the hostname (by default 'ClickShare-<serial base number>')
4. In the **WiFi Settings** section, you can now:
 - enter a public name (SSID) for the wireless network.
Default SSID = ClickShare-<serial base number>
 - indicate whether you want to broadcast the SSID or not.
 - enter a passphrase and confirm it.
Default password = clickshare
 - select the wireless connection frequency band: 2.4 GHz or 5 GHz.
 - change the wireless connection channel.
The channels available in the list vary according to the regional version of your Base Unit. Repairing Buttons is not required when changing the frequency band or wireless connection channel.
5. Click **Apply** to confirm your changes or click **Refresh Page** to cancel them.



WARNING: It is not allowed to operate the Base Unit outside its intended geographical region.

Maintenance

On the **Maintenance** tab page of the web interface you can check the status of your ClickShare, get an overview of the paired Buttons, update the software, manage the system configuration, change the administrator password and change the logging settings.

Consulting the status of your ClickShare

On the **Status** tab page of the web interface you can check the status of your ClickShare and get more information on the system characteristics.

To check the status of your ClickShare

1. Go to the ClickShare web interface.
2. Click the **Maintenance** tab and click **Status**.

The **Status** tab page is displayed.

ClickShare

[Setup](#)
[Maintenance](#)
[Help](#)

[Status](#)
[Buttons](#)
[Update](#)
[Configuration](#)
[Password](#)
[Logging](#)

LAN Interface

DHCP: Enabled

IP Address: 150.158.201.55

Subnet Mask: 255.255.254.0

Default Gateway: 150.158.200.1

MAC Address: 00:19:99:CF:0F:B6

WiFi Network

IP Address: 192.168.2.1

Subnet Mask: 255.255.255.0

MAC Address: 00:0E:8E:3B:12:B8

SSID: ClickShare Sprint Room

Associated Devices: 1 ([detail](#))

DHCP Leases: 5 ([detail](#))

System

Identification

Serial Number:	
Base Unit Firmware Version:	01.00.00.0002
Button Firmware Version:	01.00.00.0002
Client Software Version:	01.00.00
First Used:	2012-06-29T10:44:16
Last Used:	2012-07-09T07:46:18
Current Uptime:	4d 02:25
Total Uptime:	8d 23:52

Update History

Firmware Version	Update Date (UTC)
01.00.00.0002	2012-06-29T10:44:19

Subsystem Status

Status	Process
✓	Config Manager (CentralStore)
✓	Graphics Server (X)
✓	ClickShare Server (baseunit)
✓	Job Scheduler (cron)
✓	DBus Daemon (dbus-daemon)
✓	DHCP Server (dhcpcd)
✓	Wifi Access Point Daemon (hostapd)
✓	WebUI Server (lighttpd)
✓	Process Monitor (monit)
✓	System Logging (rsyslogd)
✓	Device Daemon (udev)

Sensors

Name	Value
Case Fan	1086 rpm
CPU Temp	+52.0 °C
SIO Temp	+33.9 °C
PCIe Temp	+30.0 °C

System Management

[Restart System](#)
[Shutdown System](#)



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Image 5-12

It contains information on the LAN interface, the wireless network, the update history of the system, etc.

The bottom of this page contains important status information such as proper functioning of all processes on the Base Unit and system temperatures.

3. If desired, click **Restart System** to restart or click **Shutdown System** to shut down.

Consulting Buttons information

The **Buttons** tab page of the web interface gives information on the Buttons that have been paired to the Base station.

To get information on the Buttons paired to the Base

1. Go to the ClickShare web interface.
2. Click the **Maintenance** tab and click **Buttons**.

The **Buttons** tab page is displayed.

ClickShare

Setup Maintenance Help

Status Buttons Update Configuration Password Logging

Latest Button Firmware: 01.00.00.0002

Overview of Paired Buttons

Connected	Serial Number	Last Connected	Status	More...
X	BAR-00:23:A7:3A:12:06	2012-07-09T07:46:18	OK	More...
X	06D0100.00213150297	2012-07-05T15:28:16	OK	More...
X	BAR-00:23:A7:3A:17:86	2012-07-03T08:49:49	OK	More...
X	06D0100.00211150004	2012-07-02T16:51:21	WARNING	More...
X	06D0100.00211150026	2012-07-02T15:34:50	OK	More...
X	06D0100.00213150300		OK	More...
X	06D0100.00213150301		OK	More...

Remark: Previously paired Buttons that have in the mean time been paired to another base unit, need to be re-paired to this unit to display content on-screen.

BARCO

Verify your

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Image 5-13

The list gives an overview of the Buttons that have in the past been paired to this Base Unit. If a Button has in the meantime been paired to another Base Unit, it will still appear in this list. To remove it from the list, at the right of the tab page, click **More** and select **Remove from list**.

In the overview of paired Buttons, for each Button that has been paired to this Base Unit, you will find:

- whether or not the Button is connected to the Base Unit
- the specific serial number
- the date the Button was last connected
- the status

Status indication	Explanation
OK	Button firmware and software are up to date. The Button has been paired to the Base Unit.
WARNING	Button firmware version differs from the Base Unit firmware version, but the Button can still be used. Pairing the Button is advised.
ERROR	The Button needs to be paired to the Base Unit again before using it. The Button firmware version is incompatible with the Base Unit firmware version.

3. To get more information on the Button firmware, the number of connections and the MAC address, click **More....**

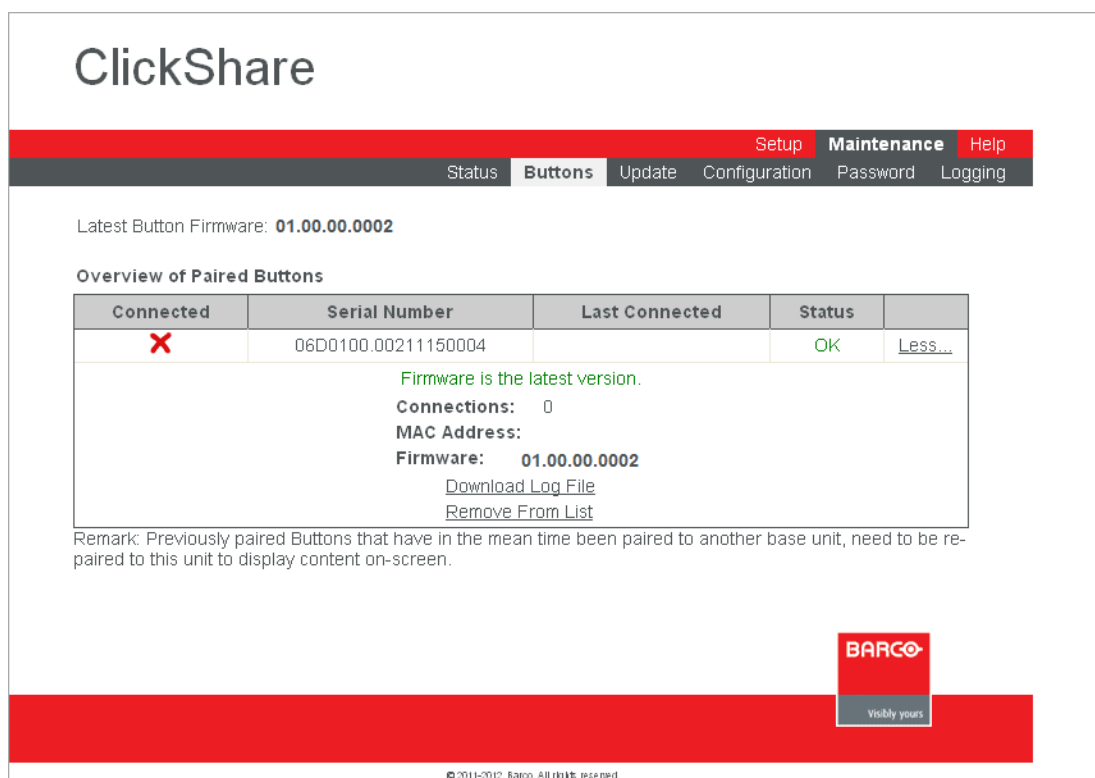


Image 5-14

You can download the Button's log file or remove a specific Button from the list.

Updating software versions

You can update the Base Unit software via the **Update** tab page of the ClickShare web interface.

To update the Base Unit software via the web interface

1. Download the latest version of the software from the Barco website (www.barco.com/clickshare).
2. Open the ClickShare web interface.
Refer to "Accessing the ClickShare Web Interface", page 22.
3. Click the **Maintenance** tab and click **Update**.

The **Update** tab page is displayed.

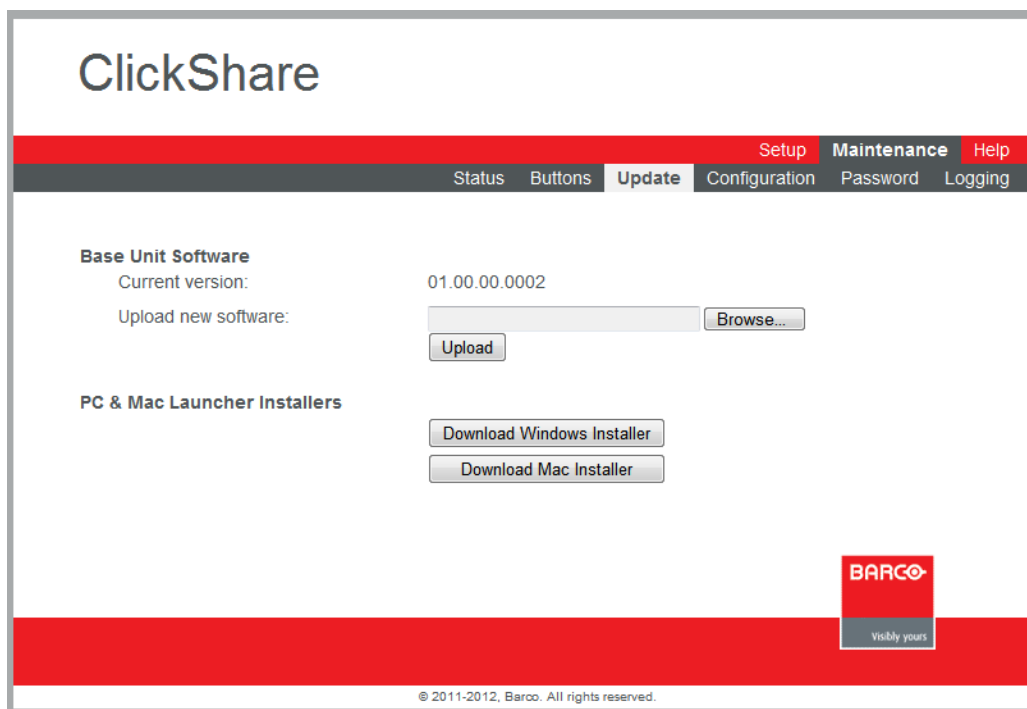


Image 5-15

The current version of the Base Unit software is shown.

4. To upload a new version of the Base station software, click **Browse**.

5. On your laptop, navigate to the new version of the software and click **Open**.

Note: This should be an ipk file. You might have to unzip the file downloaded from the Barco website.

6. On the **Update** tab page, click **Upload**.

Note: Updating the software to the Base Unit and installing it can take several minutes. Progress can be followed on the meeting room display.

The Base Unit software is updated.



It is advised to pair all Buttons in the meeting room to the Base Unit after a software update has been done.

The Base Unit checks if the Button software needs to be updated and if needed, the update is executed.

Managing the system configuration

It is possible to export and import configuration settings from the base web server. This is useful when you want to apply the same settings to multiple Base Units in your company or take a backup of the settings.

To manage the system configuration

1. Go to the ClickShare web interface.
2. Click the **Maintenance** tab and click **Configuration**.

The **Configuration** tab page is displayed.

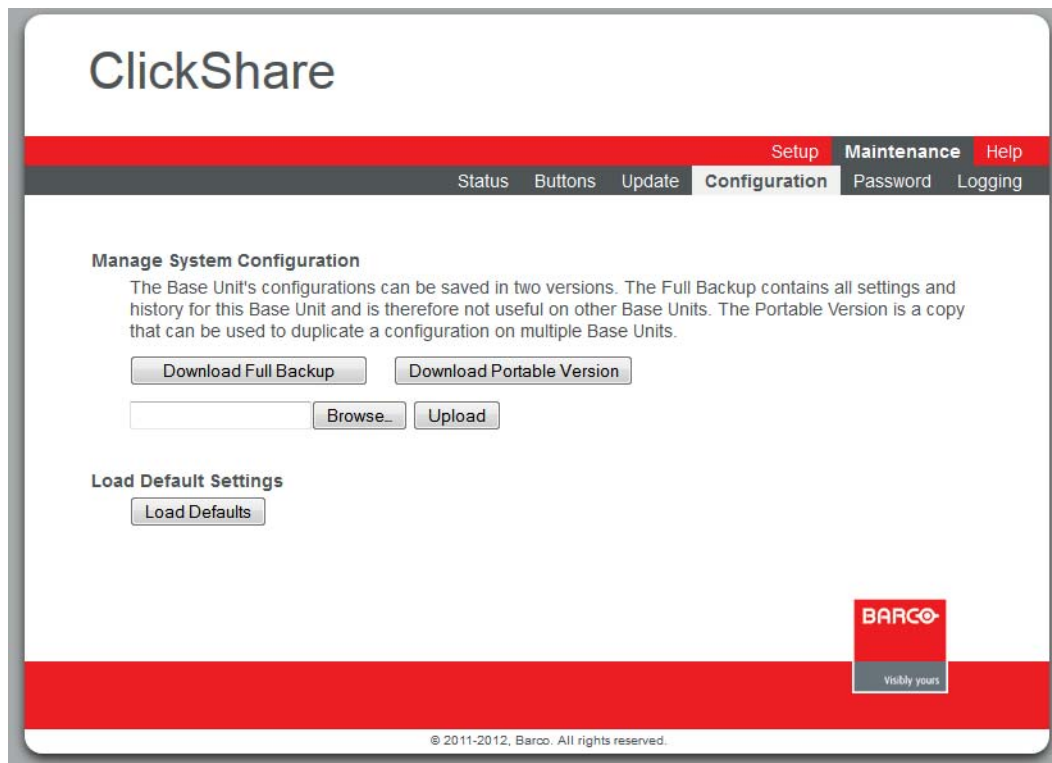


Image 5-16

3. You can now:

- download the system configuration as .xml file. There are two versions of the configuration file: a full backup containing all information and history and a portable version you can use to duplicate settings on other base units.
- upload a system configuration .xml file to the base web server
- click **Load Defaults** to restore the configuration to the system default settings



Wallpapers are not included in the download configuration file. They need to be uploaded and applied on each individual Base Unit. For selecting a wallpaper, refer to image 5-8.



When uploading a config file, the history of software updates and paired dongles is lost. Paired dongles will however remain functional if the Base Unit has not changed from SSID or wireless password.

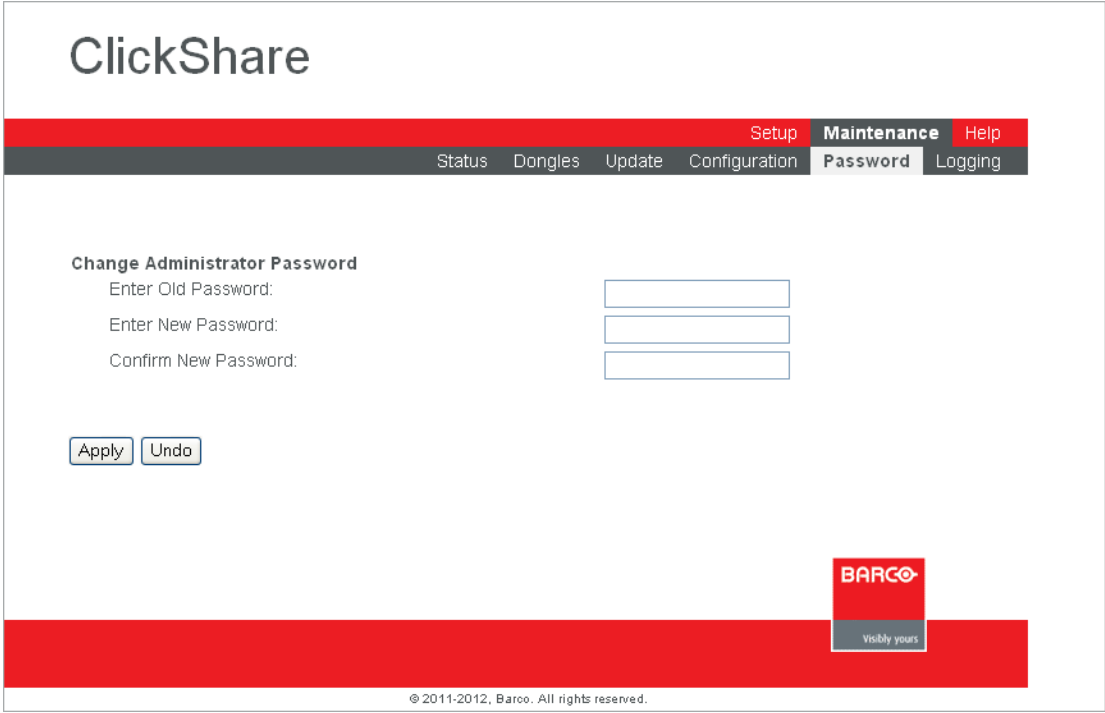
Changing the administrator password

You can change the administrator password at any time.

To change the administrator password

1. Go to the ClickShare web interface.
2. Click the **Maintenance** tab and click **Password**.

The **Password** tab page is displayed.



The screenshot shows the ClickShare web interface. At the top, the 'ClickShare' logo is on the left, and a navigation bar on the right contains links for 'Setup', 'Maintenance', and 'Help'. Below this, a secondary navigation bar has links for 'Status', 'Dongles', 'Update', 'Configuration', 'Password' (which is highlighted), and 'Logging'. The main content area is titled 'Change Administrator Password'. It contains three input fields: 'Enter Old Password:', 'Enter New Password:', and 'Confirm New Password:'. Below these fields are two buttons: 'Apply' and 'Undo'. In the bottom right corner, there is a red 'BARCO' logo with the tagline 'Visibly yours.' below it. At the very bottom, a small copyright notice reads '© 2011-2012, Barco. All rights reserved.'

Image 5-17

3. Enter the old password.
4. Enter the new password.
5. To confirm, enter the new password a second time.
6. Click **Apply**.

The administrator password has been changed.

Changing the logging settings

On the web interface it is possible to change the local and remote logging settings. Local logging means the log file is saved on the Base Unit itself.

To change the local and remote logging settings

1. Go to the ClickShare web interface.
2. Click the **Maintenance** tab and click **Logging**.

The **Logging** tab page is displayed.

Image 5-18

3. If needed, adapt the local logging settings:
 - enable or disable debug logging
 - download the log file
 - clear the log file
4. Enable or disable remote logging:
5. To confirm your changes, click **Apply**.

The new logging settings are now in use.

ClickShare Help

You can find information on your ClickShare product, Barco contact data and the End-User License Agreement (EULA) on the **Help** tab page of your ClickShare web interface.

Consulting the Barco contact data

If a problem occurs while using your ClickShare product, you can contact service for help. On the **Contact** tab page of the web interface, you can find the ClickShare contact data.

To consult the Barco contact data

1. Go to the ClickShare web interface.
2. Click the **Help** tab and click **Contact**.

The **Contact** tab page is displayed.



Image 5-19

On the **Contact** tab page you can find a link to the ClickShare home page.

Consulting the Barco ClickShare EULA

You can consult the Barco ClickShare End-User License Agreement on the **Legal** tab page of the web interface.

To consult the Barco ClickShare EULA

1. Go to the ClickShare web interface.
2. Click the **Help** tab and click **Legal**.

The **Legal** tab page is displayed.



Image 5-20

Here you can find the complete Barco ClickShare End-User License Agreement.

3. If desired, click **Save ...** to save a copy of the agreement on your laptop.
4. In the **File Download** window, click **Save**.

The **Save as** window opens.

5. Browse to the location you want to save the EULA file and click **Save**.

A copy of the Barco ClickShare EULA has been saved to your laptop.

5.4 Software update

Software update procedures

There are two ways to update the Base Unit software:

- via the Web Interface
Refer to Updating software versions. Progress can be followed on the meeting room display.
- by copying the software on a USB stick

To update the Base Unit software by copying the software on a USB stick

1. From the Barco website, download the latest ClickShare software version.
2. Copy the ipk file to a USB stick.
If necessary, first unzip the file.
3. If needed, rename the file to 'clickshare_firmware.ipk'.
4. Insert the USB stick into the USB port at the front of the Base Unit.
5. Follow the instructions on screen.

You can follow progress on the display.

6. At the end of the process, remove the USB stick from the Base Unit.

Now the Base Unit reboots.

6. TROUBLESHOOTING

6.1 Troubleshooting list

Problem solving

Locate the problem you are experiencing in the table below and apply the solution.

Problem	Cause	Solution
Quality of the image on the meeting room display is not satisfactory	The quality or length of the cable between the Base Unit and the display or the connection between these two.	- Replace the cable. - Use another cable.
	Bad resolution of the display The system can handle the average laptop resolution of 3 Megapixel. However, up or down scaling on the meeting room display can cause visible artefacts.	Change the resolution on the web interface and match it to the native resolution of the meeting room display.
Users have a bad wireless connection. The connection from the Button to the Base Unit keeps falling away.	Wireless congestion	Use a WiFi scanner to find a free wireless channel and select it via the web interface. You can use commercial as well as free online tools such as inSSIDer or Xirrus for this. Refer to "Changing advanced ClickShare settings".
	Low signal strength	- Put the Base Unit closer to the meeting room table. - Change the orientation of the antennae at the back of the Base Unit. - Remove or limit as much as possible all obstructions between the Buttons and the Base Unit.
Web interface is not accessible	Browser	- Use another browser (version). - Check the browser settings.
	No connection	There are three methods to access the web interface. Refer to the corresponding chapter of the documentation.
Users do not get a ClickShare drive when inserting the Button in their laptop.	No automatic refresh of drives	Refresh your view on the laptop.
	Bad connection at USB port on the laptop	- Reconnect to the USB port. - Try another USB port. - Reboot the laptop.
	- Some types of USB devices might be blocked as a company policy. - USB port settings on the laptop might limit the usage of high power USB devices when on battery power.	If possible, change the USB port policy on the laptop.
Low video performance	Laptop performance	- Lower the screen resolution of the laptop. - Disable the hardware acceleration for video. - Use only a part of the display to show the video.
	Wireless connectivity	See "Users have bad connectivity"
Video is not shown on screen	Player uses overlays	Disable the usage of overlays in the preferences of the video player.
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.

6. Troubleshooting

Problem	Cause	Solution
When using Windows 7 the following message about the Windows Aero color scheme appears: "Windows has detected your computer's performance is slow. This could be because there are not enough resources to run the Windows Aero color scheme. To improve...".	ClickShare uses resources from the GPU. In combination with other programs which do so, Windows 7 sometimes shows this message suggesting to disable Aero to improve the performance of your laptop.	It is safe to ignore this message and choose 'Keep the current color scheme'.
Base Unit does not start up correctly.	A USB stick, ClickShare Button or another USB device is connected to one of its USB slots at start-up.	Remove the connected USB device and restart the unit.
During start-up the Base Unit freezes a few minutes displaying the message "ata_id[...]: HDIO_GET_IDENTIFY failed for ...".	This is a known issue.	The freeze lasts maximum 2 or 3 minutes. The Base Unit starts up normally.
Base Unit does not function properly.	The LAN IP address the Base Unit received from the DHCP server is in the 192.168.1.xxx range.	Disconnect the LAN cable.

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