

# ClickShare model C 5010S

Safety manual

**Barco NV**

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# 1 Safety

## About this chapter

Read this chapter attentively, it contains important information to prevent personal injury while using ClickShare. It also includes several cautions to prevent damage to the ClickShare product. Ensure that you understand and follow all safety guidelines, safety instructions and warnings in this chapter before using your ClickShare.

## Clarification of the term “C 5010S” used in this document

When referring in this document to the term “C 5010S” means that the content is applicable for following Barco products:

- CX-50

## Model certification name

C 5010S

## Covered ClickShare products

Regional version	Contains	Accessories included
R9861522xx <sup>1</sup>	<ul style="list-style-type: none"> <li>• R9861522</li> <li>• 2x R9861600D01C</li> </ul>	<ul style="list-style-type: none"> <li>• DC adapter with AC clips type A, C, G, I</li> <li>• Printed safety manual</li> </ul>
R9861600D01C	1 x R9861600D01C	

Contact your local sales representative for the correct regional variant necessary in your environment.

## 1.1 General safety

### Safety warnings

The installation of the device must comply with the guidelines in the ClickShare Installation Guide.

- Installation must be performed by qualified personnel only, and must conform to all local codes.
- External power connections must be properly insulated.
- Do not connect directly to mains power for any reason.
- To prevent injuries and physical damage, always read this manual and all labels on the system before connecting to the wall outlet.
- The ClickShare product is intended to be used in office and indoor environments only.
- Only use the power adapter supplied with your device. While appearing to be similar, other power adapters have not been safety tested at the factory and may not be used to power the device. For a replacement power adapter, contact your dealer.
- This product is intended to be supplied by a UL Listed Power Unit marked “Class 2” or “LPS” or “Limited Power Source” input 100-240V, 1.2A 50/60Hz and with output rated 12 VDC 4.2A.
- Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord. To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- If an extension cord is used with this product, make sure that the total of the Ampere ratings on the products plugged into the extension cord does not exceed the extension cord Ampere rating.
- Never spill liquid of any kind on the product. Should any liquid or solid object fall into the cabinet, unplug the set and have it checked by qualified service personnel before resuming operations.
- Lightning - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the device due to lightning and AC power-line surges.
- Only use attachments/accessories specified by the manufacturer.

### Environment

Do not place this equipment on an unstable cart, stand, or table. The product may fall, causing serious damage to it.

### Risk of electric shock

Do not open. To reduce the risk of electric shock, do not remove the cover of the unit or of the power supply unit. No user- serviceable parts inside. Refer all servicing to qualified service personnel.

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power cord or plug is damaged or frayed.
- If liquid has been spilled into the equipment.
- If the product has been exposed to rain or water.
- If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of the other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
- If the product has been dropped or the cabinet has been damaged.
- If the product exhibits a distinct change in performance, indicating a need for service.
- Replacement parts: When replacement parts are required, be sure the service technician has used original BARCO replacement parts or authorized replacement parts which have the same characteristics as the BARCO original part. Unauthorized substitutions may result in degraded performance and reliability, fire, electric shock or other hazards. Unauthorized substitutions may void warranty.

<sup>1</sup>: xx=EU, CN, NA, ZH, RW

- Safety check: Upon completion of any service or repairs to this device, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

## Heat and Fire Hazard

Warning – risk of fire: do not place flammable or combustible materials near the device!

Barco products are designed and manufactured to meet the most stringent safety regulations.

This device radiates heat on its external surfaces during normal operation, which is both normal and safe. Exposing flammable or combustible materials into close proximity of this device could result in the spontaneous ignition of that material, resulting in a fire. For this reason, it is absolutely necessary to leave an "exclusion zone" around all external surfaces of the device where no flammable or combustible materials are present. The exclusion zone must be not less than 40 cm (16") for all Barco devices. Do not cover the device with any material while the it is in operation.

Mount the device in a well ventilated area away from sources of ignition and out of direct sun light.

Slots and openings in this equipment are provided for ventilation. To ensure reliable operation of the device and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the device too close to walls, or other similar surface. This device should never be placed near or over a radiator or heat register. This device should not be placed in a built-in installation or enclosure unless proper ventilation is provided.

In the event of fire, use sand, CO<sub>2</sub>, or dry powder fire extinguishers; never use water on an electrical fire.

Fusing: Internal fuse for Line is provided in the power supply. A blown internal fuse is an indication of catastrophic failure of circuit component(s). Repair must be performed by authorized personnel. Fuses must be replaced with same type and ratings.

## 1.2 Environmental Condition Check

### Environment condition check

For installations in environments where the device is subject to excessive dust, then it is highly advisable and desirable to have this dust removed prior to it reaching the device clean air supply. Devices or structures to extract or shield excessive dust well away from the device are a prerequisite; if this is not a feasible solution then measures to relocate the device to a clean air environment should be considered.

It is the client's responsibility to ensure at all times that the device is protected from the harmful effects of hostile airborne particles in the environment of the device. The manufacturer reserves the right to refuse repair if a device has been subject to negligence, abandon or improper use.

### Ambient temperature conditions

Max. ambient temperature : +40°C or 104°F at sea level, +35°C or 95°F at 3000m

Min. ambient temperature: 0°C or 32°F

Storage temperature: -10°C to +60°C (14°F to 140°F)

### Humidity Conditions

Storage: 0 to 90% relative humidity, non-condensing

Operation: 0 to 85% relative humidity, non-condensing

### Environment



The ClickShare product is intended to be used in office and indoor environments only.

Do not install the device in a site near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust or humidity. Be aware that room heat rises to the ceiling; check that temperature near the installation site is not excessive.

Maximum allowed altitude to use the product : 3000m (9843Ft). Due to China regulation the maximum altitude is limited to 2000 meter (6561 feet) for China mainland.

## 1.3 Compliance FCC

### 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.

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 RF Radiation Exposure Statement:** This device is capable of operating in 802.11a mode. For 802.11a devices operating in the frequency range of 5.15 - 5.25 GHz, they are restricted for indoor operations to reduce any potential harmful interference for Mobile Satellite Services (MSS) in the US. WIFI Access Points that are capable of allowing your device to operate in 802.11a mode (5.15 - 5.25 GHz band) are optimized for indoor use only. If your WIFI network is capable of operating in this mode, please restrict your WIFI use indoors to not violate federal regulations to protect Mobile Satellite Services.

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment.  
This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Base Unit FCC ID: 2AAED-R9861521

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

ClickShare Button 2AAED-R9861600D01 has been tested and meets the FCC RF exposure guidelines. The maximum SAR value reported is 1.19 W/kg.

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

**FCC responsible:** Barco Inc., 3059 Premiere Parkway Suite 400, 30097 Duluth GA, United States, Tel: +1 678 475 8000

## 1.4 Conformidade Anatel — Modelo R981600D01C

### Visão geral da conformidade

1. Este produto está homologado pela ANATEL de acordo com os procedimentos regulamentados para avaliação da conformidade de produtos para telecomunicações e atende aos requisitos técnicos aplicados, incluindo os limites de exposição da Taxa de Absorção Específica referente a campos elétricos, magnéticos e eletromagnéticos de radiofrequência. O máximo valor medido da Taxa de Absorção Específica referente à exposição localizada no tronco foi de XX W/kg. Para maiores informações, consulte o site da ANATEL – [www.anatel.gov.br](http://www.anatel.gov.br).
2. Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

## 1.5 Cumplimiento México

### Cumplimiento

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

## 1.6 International Safety Standards

### Standards overview

This equipment is built in accordance with the requirements of the international safety standards IEC60950-1, EN60950-1, UL60950-1, IEC62368-1, EN62368-1, UL62368-1 and CAN/CSA C22.2 No.60950-1, which are the safety standards of information technology equipment including electrical business equipment. These safety standards impose important requirements on the use of safety critical components, materials and insulation, in order to protect the user or operator against risk of electric shock and energy hazard and having access to live parts. Safety standards also impose limits to the internal and external temperature rises, radiation levels, mechanical stability and strength, enclosure construction and protection against the risk of fire. Simulated single fault condition testing ensures the safety of the equipment to the user even when the equipment's normal operation fails.

## 1.7 Compliance IC

### Canada, Industry Canada (IC) Notices

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

### Radio Frequency (RF) Exposure Information

The radiated output power of the Barco Wireless Device is below the Industry Canada (IC) radio frequency exposure limits. The Barco Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.

**Caution: Exposure to Radio Frequency Radiation.**

1. To comply with the Canadian RF exposure compliance requirements, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.
2. To comply with RSS 102 RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.

Base Unit IC: IC: 21559-R9861521

Button IC (model R9861600D01C): 21559-R9861600D01

**IC Antenna statement**

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

This radio transmitter 21559-R9861521 has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

**Indoor use only warning**

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

**Certification information (SAR)**

This device is also designed to meet the requirements for exposure to radio waves established by the Industry Canada.

The SAR limit adopted by Canada is 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported to the IC for this device type complies with this limit.

The highest SAR value reported to the IC for this device type when using in portable exposure conditions is 1.14 W/kg.

**1.8 Conformité IC****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 R9861600D01C): 21559-R9861600D01

**Déclaration d'antenne d'Industrie Canada (IC)**

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

Le présent émetteur radio 21559-R9861521 a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

**Utilisation à l'intérieur seulement**

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

**Informations de certification (DAS)**

Cet appareil est également conçu pour satisfaire aux exigences concernant l'exposition aux ondes radioélectriques établies par Industrie Canada.

Le seuil du DAS adopté par le Canada est de 1.6 W/kg pour 1g de tissu. La plus grande valeur de DAS signalée à IC pour ce type d'appareil ne dépasse pas ce seuil.

La valeur maximale de DAS signalée à IC pour ce type d'appareil lors du test dans des conditions d'exposition portative est de 1.14 W/kg.

## 1.9 根據NCC低功率電波輻射性電機管理辦法 規定

### 根據NCC低功率電波輻射性電機管理辦法 規定

- 第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
- 第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。
- 前項合法通信，指依電信法規定作業之無線電通信。
- 低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

底座 xxxxxxxx

按鈕 xxxxxxxx

#### 警告

應避免影響附近雷達系統之操作。

高增益指向性天線只得應用於固定式點對點系統。

電磁波曝露量MPE標準值1mW/cm<sup>2</sup>，送測產品實測值為：0.082 mW/cm<sup>2</sup>，建議使用時至少距離人體20公分

## 1.10 International Type Approval

### SRRC certification

型号核准代码以实物铭牌显示

### KCC certification



## 1.11 KCC Statement

### KCC Statement

- 기본 장치 기기명칭: 특정소출력무선기기(무선데이터통신시스템용 무선기기)  
 인증자상호: Barco N.V.  
 모델명: R9861522  
 인증번호: MSIR-C-BVY-R9861521  
 모듈 ID: MSIP-CRM-ATH-QCNFA344A  
 제조연월: 2019.  
 제조자/제조국: Barco NV/중국  
 본 기기와 20 cm 이상 떨어져서 사용하시기 바랍니다  
 해당 무선설비는 운용 중 전파혼신 가능성이 있음  
 이 기기는 업무용(A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.
- 버튼 기기명칭: 특정소출력무선기기(무선데이터통신시스템용)  
 인증자상호: Barco N.V.  
 모델명: R9861600D01C  
 인증번호: MSIP-CMM-BVY-R9861600D01  
 제조연월: 2019.  
 제조자/제조국: Barco NV/중국  
 해당 무선설비는 운용 중 전파혼신 가능성이 있음  
 이 기기는 가정용(B급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다

모델명  
R9861600D01C

전자파흡수율  
0.xxx W/kg

RF 경고: 해당 무선설비가 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없습니다.

EMC 경고 :

이 기기는 업무용 환경에서 사용할 목적으로 적합성평가를 받은 기기로서

가정용 환경에서 사용하는 경우 전파간섭의 우려가 있습니다.

## 1.12 CE Certification

### CE Certification

R9861522EU is fit for use in all European Union countries, EFTA and Turkey.

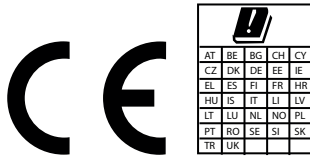


Image 1-1

The C 5010S is restricted to indoor use only when operating in the 5150 to 5250 Mhz frequency range.

Hereby, Barco NV declares that the radio equipment type C 5010S is in compliance with the Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

[www.barco.com/clickshare/ce/CE\\_R9861522.pdf](http://www.barco.com/clickshare/ce/CE_R9861522.pdf) (Base Unit)

For 2.4 GHz band:

- 2402 MHz - 2482 MHz
- Max EIRP: 20 dBm

For 5 GHz band:

- 5170 MHz - 5250 MHz
- Max EIRP: 20 dBm

[www.barco.com/clickshare/ce/CE\\_R9861600D01C.pdf](http://www.barco.com/clickshare/ce/CE_R9861600D01C.pdf) (Button)

The ClickShare Button has been tested and meets the EU RF exposure standards. The maximum SAR value reported is 0.678 W/kg.

For 2.4 GHz band:

- 2402 MHz - 2482 MHz
- Max EIRP: 19.88 dBm

For 5 GHz band:

- 5150 MHz - 5350 MHz
- 5470 MHz - 5725 MHz
- Max EIRP: 20.28 dBm





