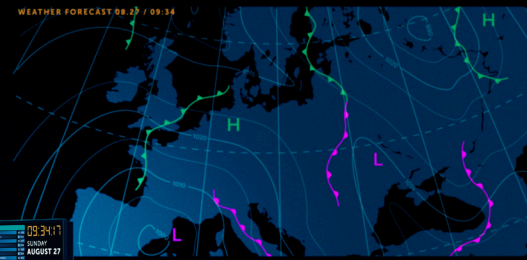


Enter a new dimension of control

Barco CTRL

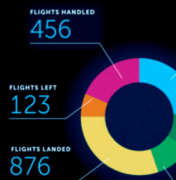


NOTIFICATION CENTER

ARRIVAL	Incoming flight
CAUTION	Outgoing flight
ARRIVAL	Aircraft XY32
ALERT	Low fuel alert
CAUTION	Emergency landing
EMERGENCY	Radar contact lost
REQUEST	Request for information
EMERGENCY	Ground collision
ALERT	Air traffic conflict
CAUTION	Technical issue

DESTINATION	FLIGHT	GATE	REMARK
BARCELONA	A4405	D17	ON TIME
NEW YORK	A1873	D08	ON TIME
DUBAI	A2960	C05	BOARDING
SHANGHAI	B0334	D14	DELAYED
TBILISI	B9700	F20	ON TIME
LONDON	C1503	F04	BOARDING
TOKYO	C5702	G11	ON TIME
PRIS	D2013	G02	DELAYED
BRLIN	D1985	H04	ON TIME
STERDAM	E6827	H07	ON TIME

PASSENGER INFORMATION



Barco CTRL: KVM over IT

Simple.
Scalable.
Secure.

Barco CTRL is the next step in KVM evolution. Where traditional solutions connect operators to multiple computers over a network, Barco CTRL goes further, integrating natively into your IT ecosystem for stronger security, effortless scalability, and an intuitive single-workspace experience.



The right information on the right location

Getting the right information to the right location, at the right time. That is, in short, the purpose of Barco CTRL – although the system is a lot more than that. Taking care of every aspect of end-to-end content distribution, from collection and networking to visualization, Barco CTRL is the secure foundation of your control room.

Ease of deployment

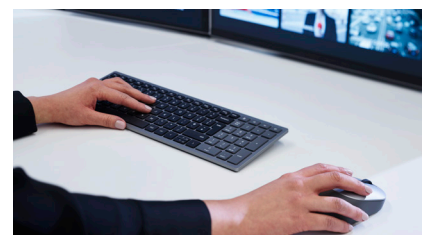
Setting up a large networked visualization system used to be extremely complex and time-consuming. With Barco CTRL, this is a thing of the past. The configuration wizard guides you through all steps of the process, including the configuration of the encoders and decoders, and the arrangement of the video wall tiles.

If you value simplicity

Powerful systems tend to be complex – but they don't need to be. Although it has the potential to create a worldwide network, Barco CTRL is surprisingly simple to set up and use. With a single keyboard and mouse, operators can interact with all needed sources. Furthermore, the user interface was designed for intuitive operation, based on our many talks with control room professionals. Integration with Microsoft Teams offers an easy and secure way to collaborate with colleagues.

I was very impressed with the ease of use for the operator and the end user. The ease of deployment and initial configuration is one of the best I have ever seen for a ProAV solution for control rooms.

Ray May, CTO, Parker Group





Perfectly synchronized audio and video

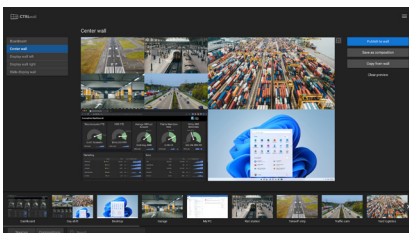
Before Barco CTRL, sound was often a frustration in control room applications. When audio and video are not synchronized, it leads to possible misinterpretations. Barco CTRL has the needed means in place to perfectly harmonize the images with the sound, adding to operator comfort and efficiency.

Made for all monitor configurations

Most operator positions feature multiple displays, and these can be arranged in any mode: portrait, landscape, or mixed. Barco CTRL welcomes any kind of monitor configuration, giving users the freedom to work the way they feel most comfortable.

One platform, multiple use cases

With Barco CTRL, you have one single platform for all control room content visualization. Serving both the video wall and the operator desk, Barco CTRL extends the same look and feel over the complete control room and beyond (including break-out rooms, remote locations, etc.), highly contributing to an intuitive workflow.



Barco CTRL: Grows with your needs

You need to prepare for the future – even if you don't know what it brings. Will you need to include additional sources? Add extra operator positions? Create or expand a video wall? Or even deploy subsidiary control rooms? Barco has taken these uncertainties as a prime requirement when designing CTRL.

Designed to expand

Barco CTRL is fully scalable and grows with your needs. This means that by simply adding additional encoders and decoders, the solution can start small and potentially expand to a global system.

An open system

Barco CTRL integrates easily into 3rd party video management systems. For some VMS systems (including Milestone) this is a native integration, while an API enables the integration with other systems. This enables users and integrators to leverage the complete power of all leading solutions in the market. What's more, the system is fully prepared for the use of new technologies, and integrates easily into different IT networks.

No hardware complexity

One type of encoder, one type of decoder, one type of server. It's that simple. No stress choosing between power and budget: you definitely get a powerful device that will do the job splendidly, for a very fair price! This has the additional advantage that you have the fluidity in how you want to use the system. For example, the same decoder can be used to drive an operator workspace or 4 video wall tiles.





Preventing downtime

A critical installation is critical because it needs to perform at any time. Downtime is simply not an option. To ensure the uptime, Barco has taken all possible measures to prevent failure. This includes redundancy options of all server components.

Upgrades: a one-click process

Upgrading or updating a system often causes stress in the IT department. Will the system keep on working? Are all devices scheduled in the update? How much downtime is expected? With Barco CTRL, updating is a simple and smooth process with very limited downtime.

Connecting control rooms

Barco CTRL doesn't stop at the walls of a single control room. Through the Connected Control Room principle – developed in partnership with Extreme Networks – critical information can be shared securely across multiple sites, regardless of geographic distance. Federation takes this even further: multiple autonomous Barco CTRL installations can be linked together, sharing sources and operating as one coherent system, while each site retains full independence and security. Distance stops being a constraint.

CTRL stands out in 3 things: trivial to implement, easy to understand and the ability and flexibility to have a personalized workplace or layout with any type of source, tailored to the operator itself.

Afonso Duarte, Solutions expert, Casa Serras



Barco CTRL:

Security by design

Cybersecurity: it is the most critical requirement for control room equipment. And it continuously gains in importance. Designed to uphold the highest levels of cybersecurity, Barco CTRL allows users to securely connect to their sources, from any location, and interact with the content on any video wall or operator desk.



An armored system

The security architecture of Barco CTRL is based on a number of clearly defined concepts:

1.

Identity management

Built on a zero-trust architecture, upholding authentication and authorization. MFA (Multi-Factor Authentication) optimizes protection, while remaining very user-friendly.

2.

Communication protection

Certificate-based and using mTLS and TLS1.2/1.3 for confidentiality and integrity.

3.

System protection

Full 360 degree protection, from booting, communication and storage, to system updates.

4.

Audit logging

Building audit trails for full accountability.

5.

Media protection

Data protection on device level.

Upholding all these steps results in the 100% secure system users expect.



Security by design

Barco CTRL was designed from scratch, strictly following the 'Security by design' principles. Conceived with best practices like 'Zero Trust' and 'Shift Left' in mind, Barco CTRL is a full-featured solution that can even be deployed in the most secure critical environments.

Dedicated security roadmap

Barco CTRL takes security seriously – and we have the needed mechanisms in place to uphold this. We uphold cybersecurity with state-of-the-art encryption, and protect all AV systems and workflows.

Staying secure tomorrow

The roadmap also responds to the evolving regulatory landscape. As new requirements come into effect – from NIS2 and NERC-CIP to the EU Cyber Resilience Act – Barco works to ensure that CTRL deployments meet or exceed the emerging standards. Customers who invest in Barco CTRL are not just buying a secure platform today; they are buying a commitment to keeping it secure tomorrow, and for the years that follow.

What makes CTRL stand out is the ground-up development with security infrastructure in mind. From our perspective, the ability to securely mix content from multiple classification levels on the video wall or workstations, without compromising security information, is really key.

Chris Reeve, Vice President, Diversified - Critical Infrastructure Group





From the leading global brand

Barco is a global leader in control room solutions, with an impressive installed base. We have been around since 1934, building a solid reputation as a manufacturer of innovative and qualitative visualization solutions. Our HQ is in Belgium, but our presence is global, with offices and factories located in strategic positions all around the world.

In control rooms specifically, we are active since the early 1990s, and therefore know the requirements of the market through and through.

I believe that in providing pre-sales engineering support and post-sales product knowledge support Barco is one of the best in the industry. They strive to make customer relationships longstanding and are committed to that in the long term.

Ray May, CTO,
Parker Group Infrastructure Group



M00000-R02-0526-PB

The information and data given are typical for the equipment described. However any individual item is subject to change without any notice. The latest version of this brochure can be found on www.barco.com.

www.barco.com/ctrl

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