

Communicator Touch Panel



Installation manual
For DP-1200, DP-1500, DP-2000, DP2K-xxC and DPxK-xxB

R9855910

Barco nv Entertainment Division
Noordlaan 5, B-8520 Kuurne
Phone: +32 56.36.82.11
Fax: +32 56.36.883.86
Support: www.barco.com/esupport
Visit us at the web: www.barco.com

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Changes

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This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference, in which case the user will be responsible for correcting any interference at his own expense

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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.

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1. COMMUNICATOR TOUCH PANEL

Purpose of the Communicator Touch Panel

The Communicator Touch Panel is exclusively designed for the Barco DP-1200, DP-1500, DP-2000, DP2K C series, DP2K B series and DP4K B series Digital Cinema projectors and can thus not be used on any other equipment.

About this document

This document describes how to install the Communicator Touch Panel on the Barco DP-1200, DP-1500, DP-2000, DP2K C series, DP2K B series and DP4K B series Digital Cinema projector. It does not describe the functionality of the user interface of the Communicator Touch Panel.



The latest version of the user guide which describes the functionality of the Communicator Touch Panel can be downloaded from <https://my.barco.com>.



Check for the latest software version of the Communicator Touch Panel on <https://my.barco.com>.

Overview

- Introduction
- Content of the kit

1.1 Introduction

Communicator Touch Panel for digital cinema projectors

The Communicator Touch Panel is designed for multi-user command and control, the Communicator enables users to learn quickly and operate efficiently - using an elegant and flexible Touch Panel interface. The interface's commonality means that operators can intuitively use any model in the product line, without restriction, and its user-friendly nature translates directly into a short and enjoyable learning curve.



Image 1-1

Flexible Touch Panel interface

The Touch Panel interface can be mounted upon a swivel arm which easily fits on top of the Digital Cinema projector. One central locking mechanism of the swivel arm allows an instant fixation of the Touch Panel interface in any position.

The Touch Panel interface can also be installed further away from the Digital Cinema projector. For that you can use a serial (RS232) cable up to 10 meter or an Ethernet cable up to 50 meter to realize a direct data communication between the Digital Cinema projector and the Communicator Touch Panel.

The Touch Panel interface can also be connected with a Local Area Network (LAN) just like the Digital Cinema projector. In this case both devices can communicate with each other as well.

The Touch Panel interface requires a voltage supply +12 VDC and 1,5 ampere. Note that the Digital Cinema projector has a 12 VDC output which can be used to power up the Touch Panel interface. Nevertheless, the use of a separate +12 VDC adaptor (1,5 ampere minimum) is required in case the Touch Panel interface is installed more then a few meters away from the Digital Cinema projector.

1.2 Content of the kit

Order info & content of the kit

When ordering the Communicator Touch Panel for the Barco DP-1200, DP-1500, DP-2000, DP2K C series, DP2K B series and DP4K B series Digital Cinema projectors, refer to article number **R9855910**.

The table below gives an overview of the content of the kit.

Article number	Description	Quantity	Image
R59770149	Installation manual (this document)	1	image 1-2
R765314	Touch Panel unit	1	image 1-3
Z3499792	Multi cable	1	image 1-4
R856887	Mounting plate	1	image 1-5
B359907	Swivel arm	1	image 1-6
V3675041	Spring washer (D6.4D11)	1	image 1-7
V367513	Spring washer (D10.5D18)	1	image 1-8
R366105	Nut (M6)	1	image 1-9
B362175	Velcro strip	2	image 1-10
B364267	Spacer	1	image 1-11



Image 1-2



Image 1-3



Image 1-4

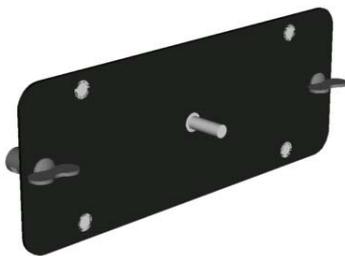


Image 1-5



Image 1-6

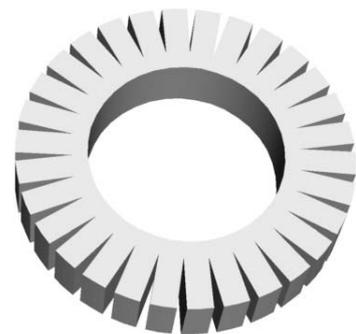


Image 1-7

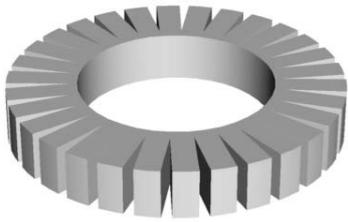


Image 1-8

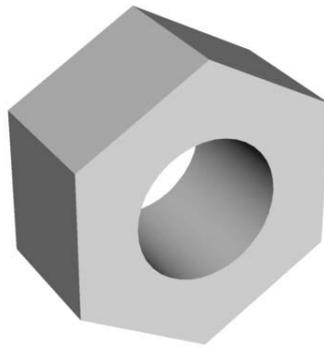


Image 1-9



Image 1-10

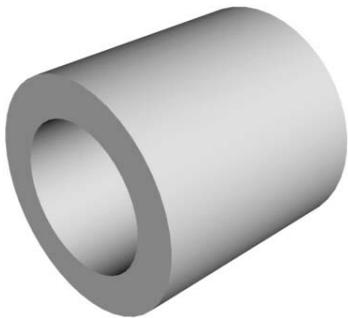


Image 1-11

2. INSTALLATION PROCEDURES (FOR DP-1200, DP-1500, DP-2000 AND DP2K-XXC)

2.1 Installing the Touch Panel interface

Necessary tools

- 17 mm wrench.
- 10 mm wrench.

How to install the Touch Panel interface upon the projector?

1. Assemble the mounting plate and the swivel arm together as illustrated. First place the nut (N) upon the rod of the mounting plate, then add the lock washer (L), then fasten the mounting plate and the swivel arm together. When the arm is mounted, turn nut (N) against the arm to secure the position. (image 2-1)
2. Slide a washer (M) over the base of the swivel arm and Insert the base of the swivel arm into the mounting hole at the top of the projector as illustrated. (image 2-2)
3. Place the Touch Panel interface upon the mounting plate of the swivel arm and fasten the two wing nuts (W) as illustrated. (image 2-3)
4. Connect the circular plug of the multi cable with the circular socket at the rear side of the projector. (image 2-4)
5. Attach the multi cable to the swivel arm using the two Velcro strips.
6. Connect the DC plug, the RJ45 Ethernet plug and the D-SUB plug into their respective sockets on the Touch Panel interface. (image 2-5)

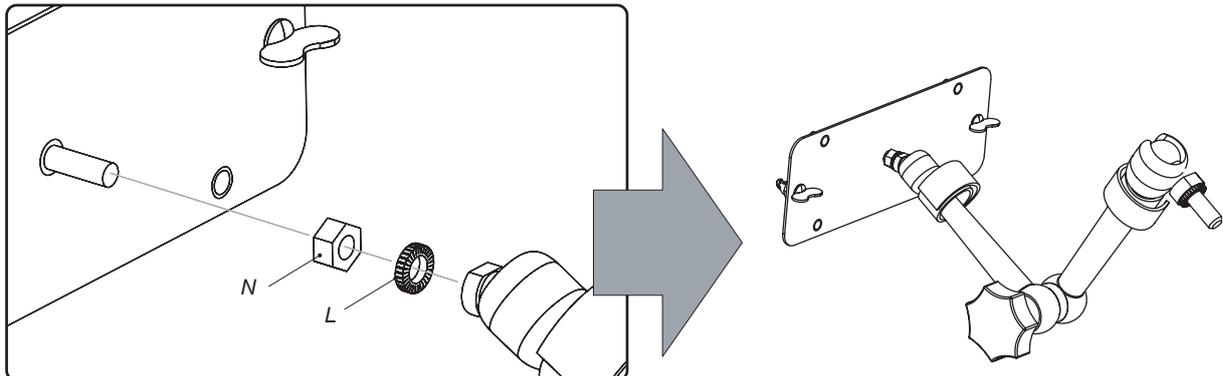


Image 2-1
Assemble swivel arm

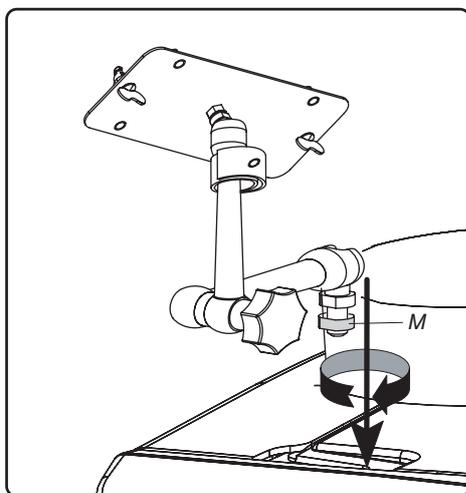


Image 2-2
Mount swivel arm

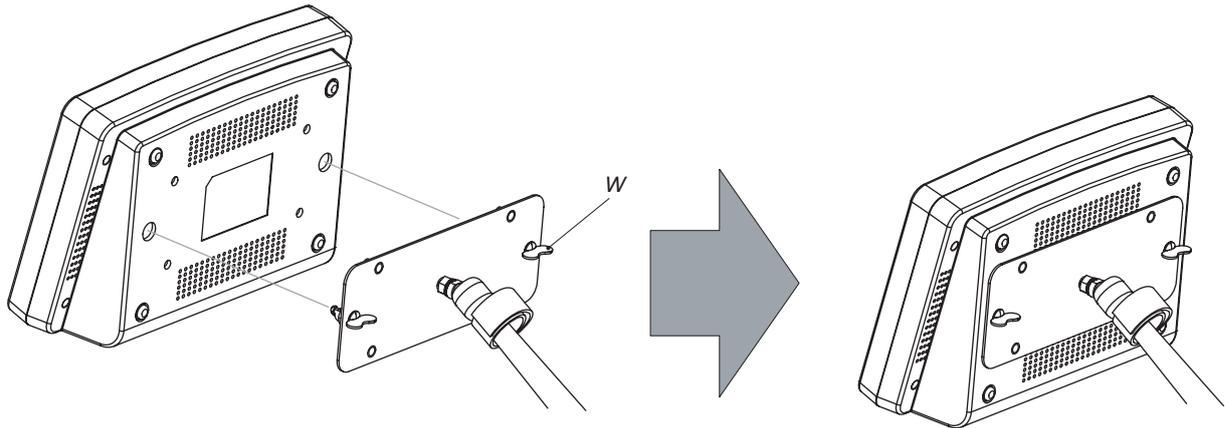


Image 2-3
Mount Touch Panel

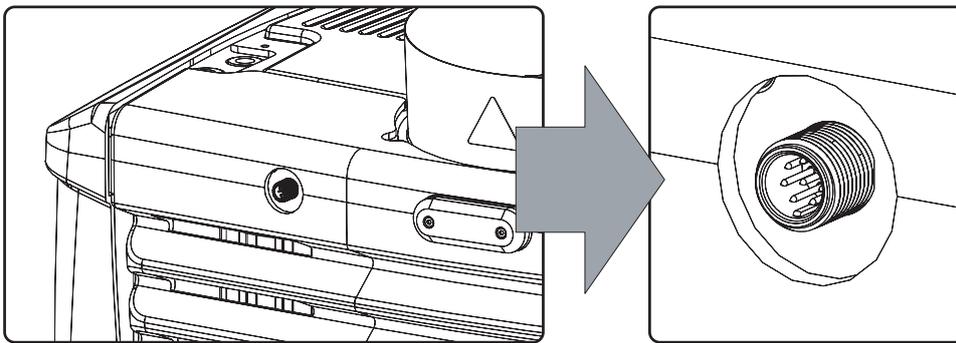


Image 2-4
Connections

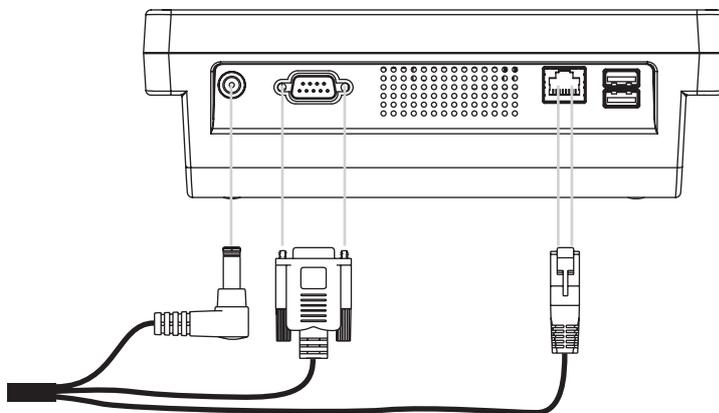


Image 2-5
Connections

2.2 Reposition the Touch Panel interface

How to reposition the Touch Panel interface?

1. Hold fast the Touch Panel interface.
2. Release the central swivel clamp by turning the big black knob (K) counterclockwise. (image 2-6)
3. Move the Touch Panel interface into the desired position.
4. Fasten the central swivel clamp by turning the big black knob clockwise.

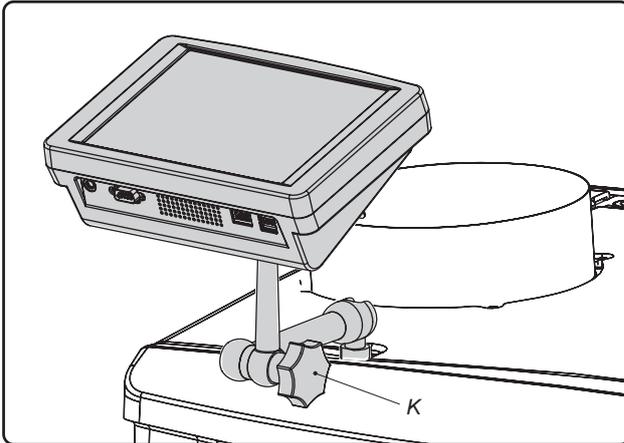


Image 2-6



CAUTION: Never release the central swivel lock without supporting the Touch Panel interface.

3. INSTALLATION PROCEDURES (FOR DPXK-XXB)

3.1 Installing the Touch Panel interface

Necessary tools

- 17mm open end wrench.
- 10mm open end wrench.

How to install the Touch Panel interface upon the projector?

1. Assemble the mounting plate and the swivel arm together as illustrated. First the nut (N) upon the rod of the mounting plate, then the lock washer (L), and then fasten mounting plate and swivel arm together. When arm is mounted, turn nut (N) against the arm to secure the position. (image 3-1)
2. Slide the 10mm spacer (reference 1) over the base of the swivel arm and insert the base of the swivel arm into one of the mounting holes at the rear top side of the projector. (image 3-2)
3. Place the Touch Panel interface upon the mounting plate of the swivel arm and fasten the two wing nuts (W) as illustrated. (image 3-3)
4. Connect the DC plug, the RJ45 Ethernet plug and the D-SUB plug into their respective sockets on the Touch Panel interface. (image 3-4)
5. Connect the circular plug of the multi cable with the circular socket at the right side (reference 2) of the projector. (image 3-5)
6. Attach the multi cable to the swivel arm using the two Velcro strips.

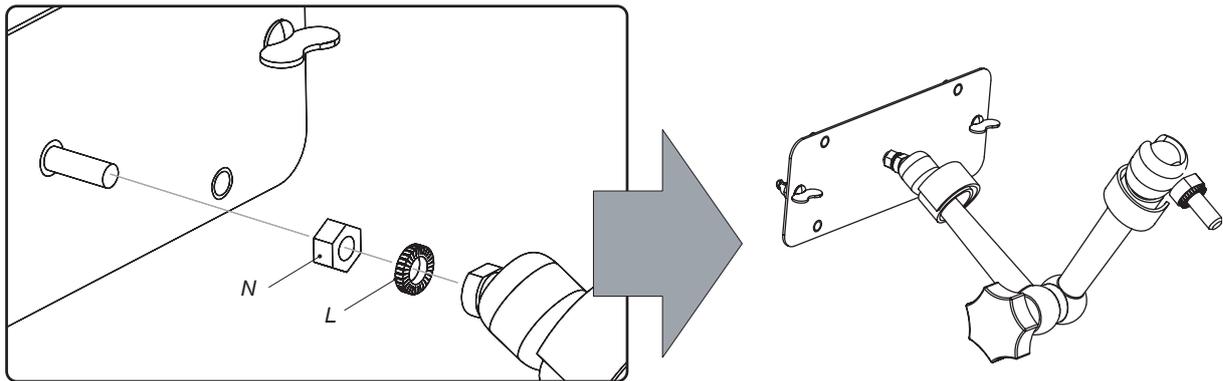


Image 3-1

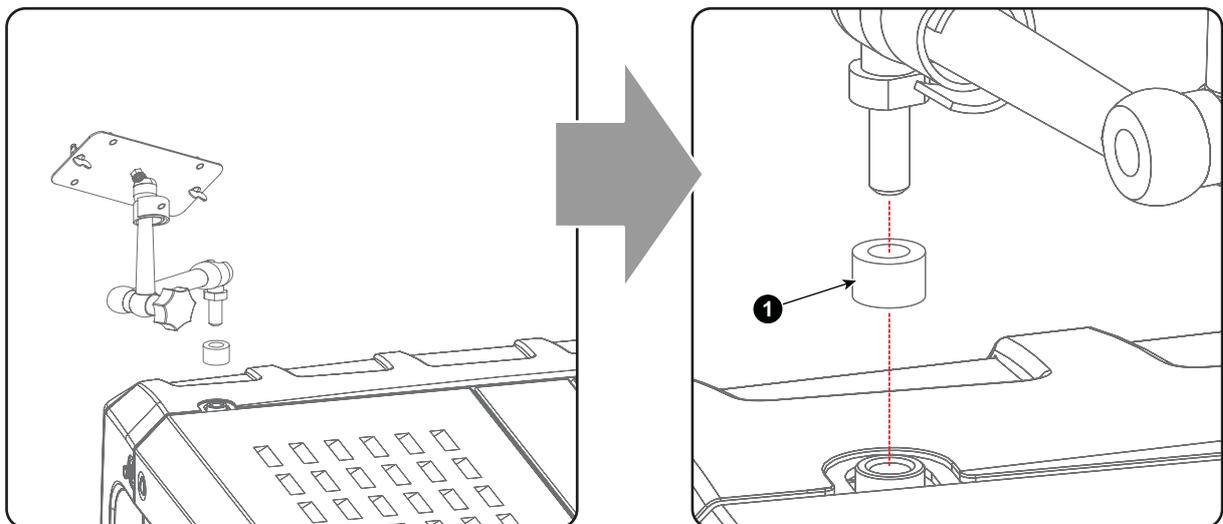


Image 3-2

3. Installation procedures (for DPxK-xxB)

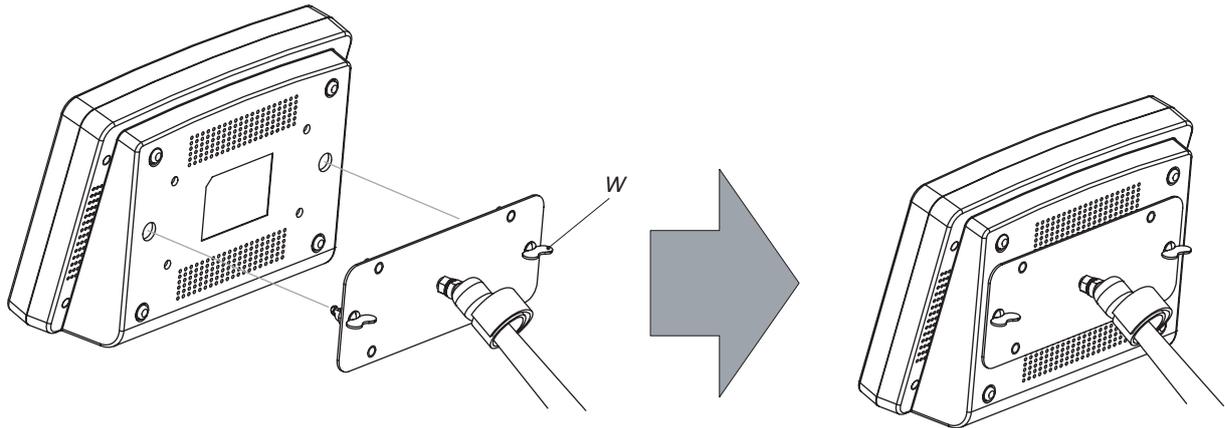


Image 3-3

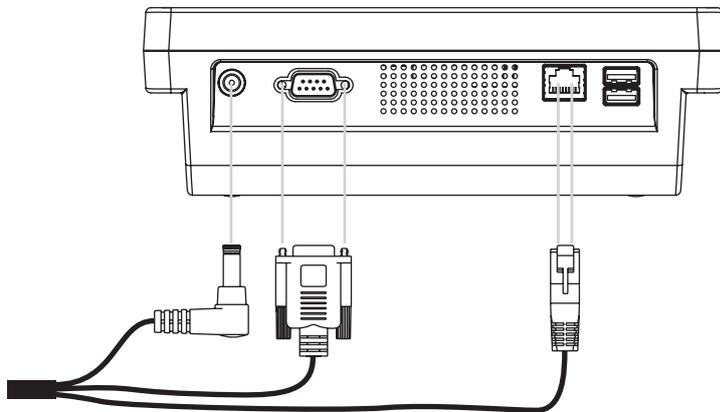


Image 3-4

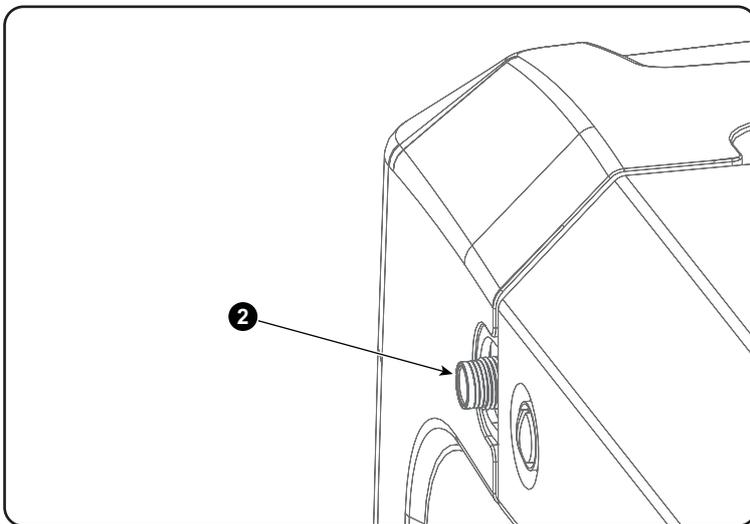


Image 3-5

3.2 Reposition the Touch Panel interface

How to reposition the Touch Panel interface?

1. Hold fast the Touch Panel interface.
2. Release the central swivel clamp by turning the big black knob counterclockwise.
3. Move the Touch Panel interface into the desired position.
4. Fasten the central swivel clamp by turning the big black knob clockwise.



CAUTION: Never release the central swivel lock without supporting the Touch Panel interface.

4. ENVIRONMENTAL INFORMATION

4.1 Disposal information

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.

4.2 Rohs compliance

中国大陆 RoHS (Information for China ROHS compliance)

根据中国大陆《电子信息产品污染控制管理办法》(也称为中国大陆RoHS), 以下部分列出了Barco产品中可能包含的有毒和/或有害物质的名称和含量。中国大陆RoHS指令包含在中国信息产业部MCV标准:“电子信息产品中有毒物质的限量要求”中。

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Table of toxic and hazardous substances/elements and their content, as required by China’s management methods for controlling pollution by electronic information products

零件项目(名称) Component name	有毒有害物质或元素 Hazardous substances and 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	0	0	0	0	0	0
显示制电路装配 Display Printed Circuit Assembly	0	0	0	0	0	0
液晶面板 LCD Panel	0	0	0	0	0	0
插入式插件 Plug assembly	0	0	0	0	0	0

4. Environmental information

零件项目(名称) Component name	有毒有害物质或元素 Hazardous substances and elements					
	铅 Pb	汞 Hg	镉 Cd	六价铬 Cr6+	多溴联苯 PBB	多溴二苯醚 PBDE
外接电(线)缆 External Cables	0	0	0	0	0	0
内部线路 Internal wiring	0	0	0	0	0	0
底架 Chassis	0	0	0	0	0	0
电源供应器 Power Supply Unit	0	0	0	0	0	0
散热片(器) Heatsinks	0	0	0	0	0	0
键盘 Keyboard	0	0	0	0	0	0
显示(器) Display	0	0	0	0	0	0
电池(组) Batteries	0	0	0	0	0	0
塑胶外壳 Plastic Enclosure	0	0	0	0	0	0
螺帽,螺钉(栓),螺旋(钉),垫圈,紧固件 Nuts, bolts, screws, washers, Fasteners	0	0	0	0	0	0
文件说明书 Paper Manuals	0	0	0	0	0	0
光盘说明书 CD Manual	0	0	0	0	0	0
装置配件 Installation kit	0	0	0	0	0	0
0: 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。 0: Indicates that this toxic or hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T11363-2006.						
X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T 11363-2006 标准规定的限量要求。 X: Indicates that this toxic or hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T11363-2006						

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