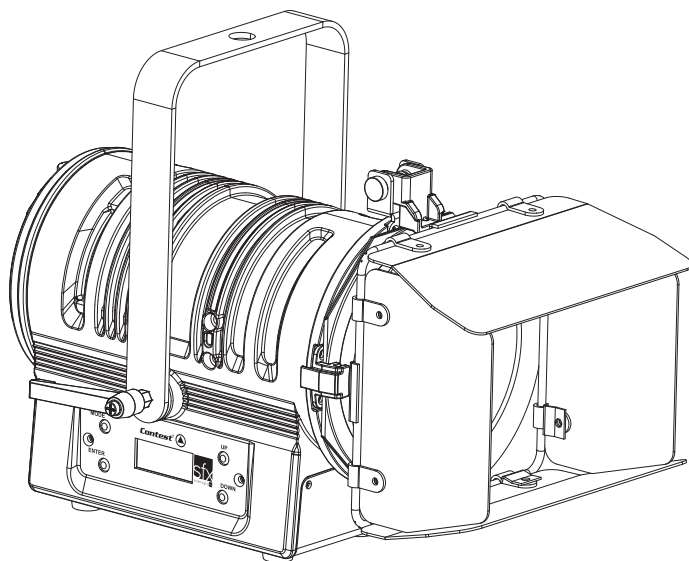


SCENE  
STORE  
EXPO



**SFX-PC60QCb**  
**SFX-PC60QCw**



**USER GUIDE**  
10705/10706 - Version 1 / 02-2017

# 1 - Safety information

## Important safety information



This unit is intended for indoor use only. Do not use it in a wet, or extremely cold/hot locations. Failure to follow these safety instructions could result in fire, electric shock, injury, or damage to this product or other property.



Any maintenance procedure must be performed by a CONTEST authorised technical service. Basic cleaning operations must thoroughly follow our safety instructions.



This product contains non-isolated electrical components. Do not undertake any maintenance operation when it is switched on as it may result in electric shock.

## Symbols used



This symbol signals an important safety precaution.



The WARNING symbol signals a risk to the user's physical integrity. The product may also be damaged.



The CAUTION symbol signals a risk of product deterioration.

## Instructions and recommendations

### 1 - Please read carefully :

We strongly recommend to read carefully and understand the safety instructions before attempting to operate this unit.

### 2 - Please keep this manual :

We strongly recommend to keep this manual with the unit for future reference.

### 3 - Operate carefully this product :

We strongly recommend to take into consideration every safety instruction.

### 4 - Follow the instructions:

Please carefully follow each safety instruction to avoid any physical harm or property damage.

### 5 - Avoid water and wet locations :

Do not use this product in rain, or near washbasins or other wet locations.

### 6 - Installation :

We strongly encourage you to only use a fixation system or support recommended by the manufacturer or supplied with this product. Carefully follow the installation instructions and use the adequate tools. Always ensure this unit is firmly fixed to avoid vibration and slipping while operating as it may result in physical injury.

### 7 - Ceiling or wall installation :

Please contact your local dealer before attempting any ceiling or wall installation.

### 8 - Ventilation :

The cooling vents ensure a safe use of this product, and avoid any overheating risk.

Do not obstruct or cover these vents as it may result in overheating and potential physical injury or product damage. This product should never be operated in a closed non-ventilated area such as a flight case or a rack, unless cooling vents are provided for the purpose .

### 9 - Heat exposure :

Sustained contact or proximity with warm surfaces may cause overheating and product damages. Please keep this product away from any heat source such as a heaters, amplifiers, hot plates, etc..

### 10 - Electric power supply :

This product can only be operated according to a very specific voltage. These information are specified on the label located at the rear of the product.

### 11 - Power cords protection:

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at lugs, convenience receptacles and the point where they exit from the fixture.

**WARNING** : This unit contains no user-serviceable parts. Do not open the housing or attempt any maintenance by yourself. In the unlikely even your unit may require service, please contact your nearest dealer.



**CAUTION**  
**RISK OF ELECTRIC SHOCK**  
**DO NOT OPEN**



In order to avoid any electrical malfunction, please do not use any multi-socket, power cord extension or connecting system without making sure they are perfectly isolated and present no defect.



### Warning

This product is equipped with Class 2 LEDs.

Please avoid looking directly at the beam as it may cause severe eye injuries.

## Recycling your device



- As HITMUSIC is really involved in the environmental cause, we only commercialise clean, ROHS compliant products.
- When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

### 12 - Cleaning precautions :

Unplug the product before attempting any cleaning operation. This product should be cleaned only with accessories recommended by the manufacturer. Use a damp cloth to clean the surface. Do not wash this product.

### 13 - Long periods of non use :

Disconnect the unit's main power during long periods of non use.

### 14 - Liquids or objects penetration :

Do not let any object penetrate this product as it may result in electric shock or fire.

Never spill any liquid on this product as it may infiltrate the electronic components and result in electric shock or fire.

### 15 - This product should be serviced when :

Please contact the qualified service personnel if :

- The power cord or the plug has been damaged.
- Objects have fallen or liquid has been spilled into the appliance.
- The appliance has been exposed to rain or water.
- The product does not appear to operate normally.
- The product has been damaged.

### 16 - Inspection/maintenance :

Please do not attempt any inspection or maintenance by yourself. Refer all servicing to qualified personnel.

### 17 - Operating environment :

Ambient temperature and humidity: +5 - +35°C, relative humidity must be less than 85% (when cooling vents are not obstructed).

Do not operate this product in a non-ventilated, very humid or warm place.

## 2 - Caractéristiques

### Optique

- › 1 x 60W COB RGBW LED
- › CRI > 90
- › Light output from 250 to 1870 Lux at 3m
- › Beam angle via manual zoom from 20° to 45°

### Functions

- › Built-in drop-down menu with LCD display to:
  - Select the DMX address
  - Select the number of channels: 1, 4, 6 or 8
  - Select dimmer curves and speed
  - Access to hour meter, temperature and soft version information
  - Test mode

### Connectors

- › DMX IN and OUT via 5-pin XLR,
- › POWER IN/OUT via Seetronic® Power plugs

### Additional information:

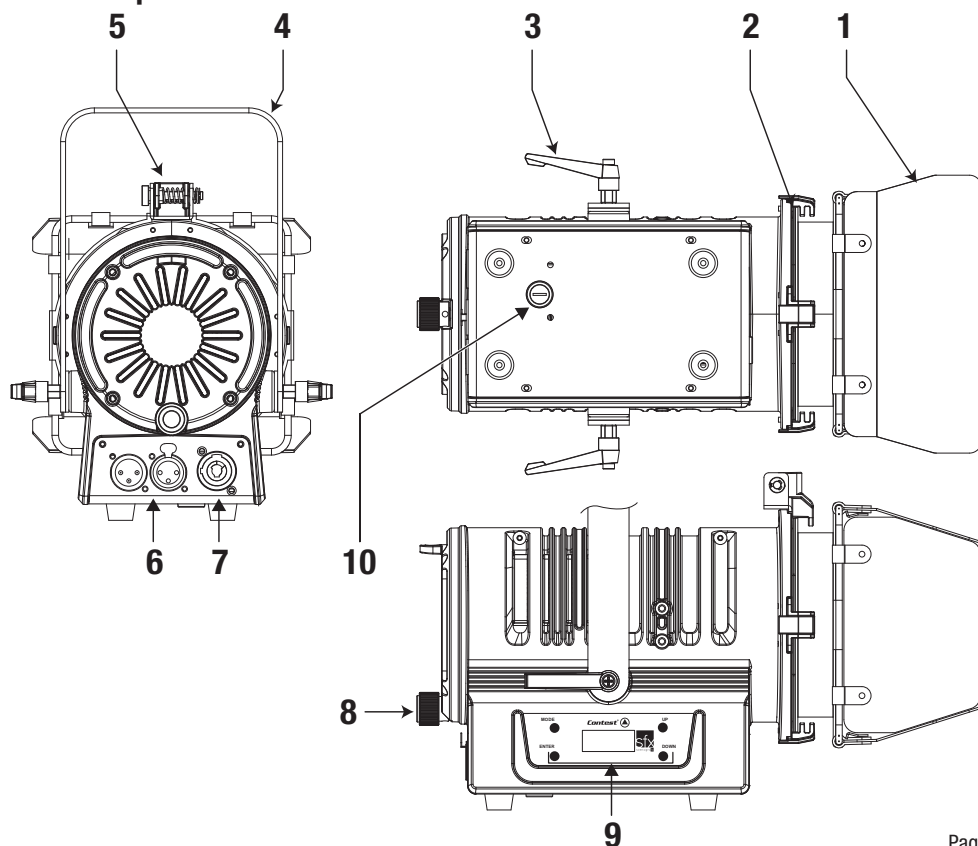
- › Power supply: 100-240V/50-60Hz
- › Power consumption: 70 W
- › Cooling system: thermal regulation
- › Finish:
  - Black (10705 - SFX-PC60QCb)
  - White (10706 - SFX-PC60QCw)
- › Dimensions: 241 x 196 x 173 mm
- › Weight: 3,6 kg

### Package contents:

The package must contain the following elements:

- › The projector
- › The user guide
- › One Seetronic® Power/ 2 poles + earth power cord
- › One filter holder
- › One rotative shutter system

## 3 - Description



- 1 Rotative shutters**  
Allow you to adjust the light output from the projector..
- 2 Filter holder**  
Allows you to add a colored filter and colorize your beam.
- 3 Tightening wheel for suspension bracket**  
Allows to adjust the position of the projector and lock it in this position.
- 4 Suspension bracket**  
Allows you to suspend and adjust the projector.

**CAUTION!**

Please make sure the tightening wheel is securely fastened.

Using a safety cable is mandatory.

When using this device in public places, current legislation requires that each device features a double fixation system to ensure its stability. This system must hold up to 10 times the weight of the device, meaning you will be required to use a cable able to hold 36 kilos to support your SFX-PC60QCb/w.

- 5 Locking latch**  
Allows you to lock the filter holder and/or the rotative shutter system.
- 6 DMX input/output**  
3-pin XLR plugs hardwired as follows:
  - Pin 1: Mass
  - Pin 2: Negative signal
  - Pin 3: Positive signal

- 7 Power input socket**  
Allows you to power up your projector via Seetronics® / 2 poles + earth cable. This cable is supplied with the projector. Please make sure the voltage of your workplace matches this projector.

- 8 Beam angle jog wheel**  
Allows you to adjust the position of the light source towards the lens.  
Turn it clockwise to increase the beam angle.  
Turn it counterclockwise to decrease the beam angle.  
The angle can be adjusted from 20° to 45°

- 9 Display and menu buttons**  
**Display**

Allows you to intuitively configure your device. Please refer to next paragraph for more details about the menu functions. The backlight can be turned off via the Backlight function from the menu.

**MODE Button**

Allows you to access the menu and select a function.

**ENTER Button**

Allows you to enter sub-menus and apply changes.

**UP and DOWN buttons**

Allows you to increase or decrease parameter values.

- 10 Fuse**  
If need to change the fuse, please make sure the new fuse has the exact same characteristics as the old one.

## 4 - Internal menu

### 4.1 - Initialisation

Upon initialisation, the display will indicate:

```
Update
Wait ...
```

The projector will then check for available updates.

It will then enter initialisation phase, the projector will indicate:

```
WELCOME
SFX-PC60QC
```

The projector will be ready to operate once these two steps are completed.

## 4.2 - Menu tree

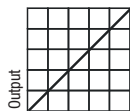
Menu	Sub-menu	UP and DOWN	Action
Menu Set ADDR	Set Address XXX	Allows you to set the DMX address. Values from 001 to 512.	
Menu UserMode	Channel 01/04/06/08	Allows you to select the number of DMX channels used <b>DMX modes:</b> Mode 01 (1ch): Colours and Macros Mode 04 (4ch): Red/Green/Blue/White Mode 06 (6ch): Red/Green/Blue/White/Dimmer/Shutter Mode 08 (8ch): Red/Green/Blue/White/Dimmer/Shutter/Colours and Macros/Speed and Microphone	
Function Menu	NO DMX Close/Hold	Allows you to select the behaviour of your projector in case of DMX signal interruption: <b>Close:</b> the projector turns off. <b>Hold:</b> the projector holds onto its last DMX instruction.	
	LampBeha	LampBeha LED	The projector behaves like an LED projector and thus turns ON/OFF instantly.
		LampBeha Halogen	The projector behaves like a halogen, and requires some time to be turned on or off.
	LCD.Set	Backlight XX	Allows you to determine the lapse of time before the backlight turns off. From 1 to 60 seconds.
		Key Lock ON/Off	Permet de verrouiller les touches du menu. Pour déverrouiller les touches du menu, appuyez plus de 3 secondes sur la touche MODE.
	DisFlash	DisFlash ON/OFF	Activates or deactivates display flashes in case of DMX signal interruption.
	LOAD ON/OFF	Resets back to factory settings.	
	TEMP	TEMP Celsius	Displays the temperature of the projector (Celsius)
		TEMP Fahren	Displays the temperature of the projector (Fahrenheit)
	Function DimCurve (Brightness settings curves)	DimCurve Linear	Brightness increases linearly
		DimCurve Square	Brightness settings are exponential
		DimCurve INVSquar	Brightness settings are inversely exponential
		DimCurve S-Curve	Brightness increases slowly in lower values and strongly in higher values

Menu	Sub-menu	UP and DOWN	Action
Info Menu	Info TimeInfo	TimeInfo Current	Displays the duration of the current session with the projector. Resets every time the projector is turned off.
		TimeInfo TotalTim	Displays time elapsed since the first time the projector was activated.
		TimeInfo LastClea	Allows you to visualise saved time from last session.
		TimeInfo TimerPIN	Gives you access to erasing the duration of previous session. Access code is 050.
	Info TempInfo	TempInfo XXX°	Displays the internal temperature of the projector
	Info ModelInf	ModelInf PC600QCb	Display the name of your device
	Info Software	V1.01d	Displays the current software version. The version might differ from «V1.01B».
Color Menu	Color Program	1.STATIC CL:R/G/B/ RG/...	Allows you to access preset colours: R/G/B/ RG/GB ... You can adjust the strobe speed for each colour: FXX varying from F00 (no strobe) to F99 (strobe at maximum speed).
		2.CHANGE SP:XX F:XX	Allows you to launch a step sequence including preset colours. Press ENTER to select: SP:XX : Sequencing speed F:XX : Strobe speed
		3.FADE SP:XX F:XX	Allows you to launch a crossfade sequence including preset colours. Press ENTER to select: SP:XX : Sequencing speed F:XX : Strobe speed
		4.AUTO SP:XX F:XX	Allows you to browse through preset colour macros. Press ENTER to select: SP:XX : Sequencing speed F:XX : Strobe speed
Color Menu	Color PanelCtr	PanelCtr Red	Allows to manually adjust Red levels
		PanelCtr Green	Allows to manually adjust Green levels
		PanelCtr Blue	Allows to manually adjust Blue levels
		PanelCtr White	Allows to manually adjust White levels
		PanelCtr Dimmer	Allows to manually adjust brightness
		PanelCtr Strobe	Allows to manually adjust the strobe speed
	Color Sound	Sense XX	Allows to manually adjust the built-in microphone sensitivity

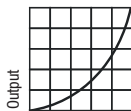
## 4.2 - More about the 4 DIMMER CURVE modes

Dimmer curves modes allow you to define the dimmer behaviour.

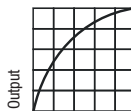
Please find below the 4 modes and the brightness increase depending on the mode and DMX channel levels.



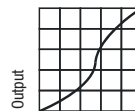
% DMX  
Mode 4 : Linear



% DMX  
Mode 1 : Exponential



% DMX  
Mode 2 : Parabolic



% DMX  
Mode 3 : S-shaped

## 5 - DMX modes

The projector enters DMX mode as soon as an incoming DMX signal has been detected.

### 5.1 - 1-channel mode

Channel	Values	Action
1	<b>Couleurs et macros</b>	
	000 - 007	LED off
	008 - 015	Red
	016 - 023	Orange
	024 - 030	Yellow
	031 - 038	Green
	039 - 045	Cyan
	046 - 053	Blue
	054 - 060	Pink
	061 - 068	Magenta
	069 - 075	Cold white
	076 - 083	Warm white
	084 - 090	White at full power
	091 - 098	Pastel pink
	099 - 105	Pastel apricot
	106 - 113	Very pastel ochre
	114 - 120	Pastel Green/ Yellow
	121 - 128	Pastel Pearl / Green
	129 - 135	Pastel Pearl / Grey
	136 - 143	Pastel Pearl
	144 - 150	Pastel Pearl /Blue
	151 - 158	Pastel Veronese Green
	159 - 165	Very pastel Lagoon
	166 - 173	Pastel sky blue
	174 - 180	Sky blue
	181 - 188	Pastel blue
	189 - 195	Macro 1
	196 - 203	Macro 2
	204 - 210	Macro 3
	211 - 218	Macro 4
	219 - 225	Macro 5
	226 - 233	Macro 6
	234 - 240	Macro 7
	241 - 248	Music-sensitive colour macro 1: RGB
	249 - 255	Music-sensitive colour macro 1: RGBW

## 5.2 - 4-channel mode

Channel	Values	Action
1	<b>Red</b>	
	000 - 255	000 : black out - 255 : 100%
2	<b>Green</b>	
	000 - 255	000 : black out - 255 : 100%
3	<b>Blue</b>	
	000 - 255	000 : black out - 255 : 100%
4	<b>White</b>	
	000 - 255	000 : black out - 255 : 100%

## 5.3 - 6-channel mode

Channel	Values	Action
1	<b>Red</b>	
	000 - 255	000 : black out - 255 : 100%
2	<b>Green</b>	
	000 - 255	000 : black out - 255 : 100%
3	<b>Blue</b>	
	000 - 255	000 : black out - 255 : 100%
4	<b>White</b>	
	000 - 255	000 : black out - 255 : 100%
5	<b>Dimmer</b>	
	000 - 255	Adjustable brightness from 0 to 100%
6	<b>Strobe</b>	
	000 - 031	LED off
	032 - 063	LED on
	064 - 095	Strobe effect at increasing speed
	096 - 127	LED on
	128 - 159	Pulse effects sequence
	160 - 191	LED on
	192 - 223	Random strobe effect at increasing speed
	223 - 255	LED on

## 5.4 - 8-channel mode

Channel	Values	Action
1	<b>Red</b>	
	000 - 255	000 : black out - 255 : 100%
2	<b>Green</b>	
	000 - 255	000 : black out - 255 : 100%
3	<b>Blue</b>	
	000 - 255	000 : black out - 255 : 100%
4	<b>White</b>	
	000 - 255	000 : black out - 255 : 100%
5	<b>Dimmer</b>	
	000 - 255	Adjustable brightness from 0 to 100%
6	<b>Strobe</b>	
	000 - 031	LED off
	032 - 063	LED on
	064 - 095	Strobe effect at increasing speed
	096 - 127	LED on
	128 - 159	Pulse effects sequence
	160 - 191	LED on
	192 - 223	Random strobe effect at increasing speed
	223 - 255	LED on



## 5.4 - 8-channel mode (continuation and end)

Channel	Values	Action
7	<b>Colours and macros</b>	
	000 - 007	LED off
	008 - 015	Red
	016 - 023	Orange
	024 - 030	Yellow
	031 - 038	Green
	039 - 045	Cyan
	046 - 053	Blue
	054 - 060	Pink
	061 - 068	Magenta
	069 - 075	Cold white
	076 - 083	Warm white
	084 - 090	White at full power
	091 - 098	Pastel pink
	099 - 105	Pastel apricot
	106 - 113	Very pastel ochre
	114 - 120	Pastel Green/ Yellow
	121 - 128	Pastel Pearl / Green
	129 - 135	Pastel Pearl / Grey
	136 - 143	Pastel Pearl
	144 - 150	Pastel Pearl /Blue
	151 - 158	Pastel Veronese Green
	159 - 165	Very pastel Lagoon
	166 - 173	Pastel sky blue
	174 - 180	Sky blue
	181 - 188	Pastel blue
	189 - 195	Macro 1
	196 - 203	Macro 2
	204 - 210	Macro 3
	211 - 218	Macro 4
	219 - 225	Macro 5
	226 - 233	Macro 6
	234 - 240	Macro 7
	241 - 248	Music-sensitive colour macro 1: RGB
	249 - 255	Music-sensitive colour macro 1: RGBW
8	<b>Speed and music sensitivity</b>	
	000 - 127	Slow to fast speed
	128 - 255	Increasing music sensitivity

6 - Colour values and macros

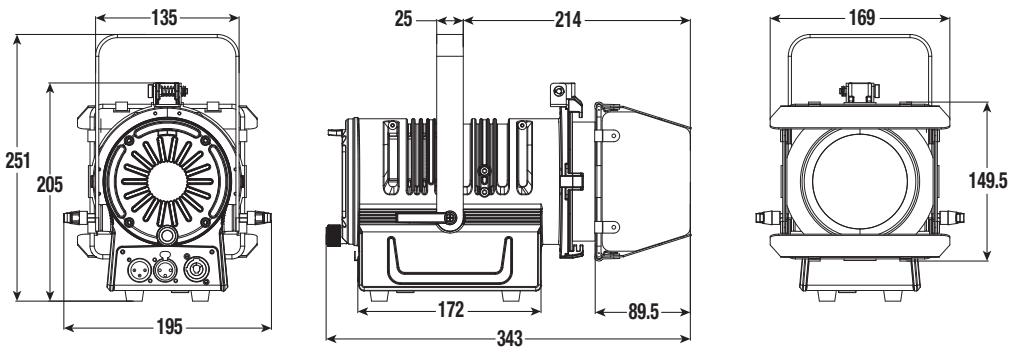
6.1 - Colour values

	DMX Values			
	RED	GREEN	BLUE	WHITE
Rouge	255	0	0	0
Orange	255	40	0	0
Jaune	255	237	0	0
Vert	0	255	140	0
Cyan	0	0	255	0
Bleu	0	0	255	0
Rose	155	0	235	85
Magenta	255	0	34	0
Blanc froid	20	239	216	255
Blanc chaud	52	48	16	255
Blanc plein feu	95	255	134	255
Rose pastel	255	0	9	255
Abricot pastel	255	78	7	49
Ocre très pastel	195	139	9	16
Vert/Jaune pastel	151	255	0	102
Perle/Vert pastel	151	230	0	255
Perle/Gris pastel	151	95	9	158
Perle pastel	145	70	25	255
Perle/Bleu pastel	52	152	180	184
Vert Véronèse pastel	72	255	66	58
Lagon très pastel	48	255	81	34
Bleu ciel pastel	0	172	255	96
Bleu ciel	0	190	255	96
Bleu pastel	45	190	255	167

6.2 - Macros

	Compositions des macros
Macro 1	Sequence: Red, Orange, Yellow, Green, Cyan, Blue, Pink, Magenta, Cold white, Warm White : step-mode
Macro 2	Sequence: Red, Green, Blue, White + Pastel colours: step-mode
Macro 3	Red to Yellow crossfade
Macro 4	Red to blue crossfade then Full power then Yellow then Blue then Pearl then Magenta then Cyan
Macro 5	Blue to Cyan crossfade
Macro 6	Blue to Red crossfade
Macro 7	Cold white to Warm white crossfade
Music-sensitive colour macro 1: RGB	Sequence: Red, Orange, Yellow, Green, Cyan, Blue, Pink, Magenta, Cold white, Warm white: music-sensitive
Music-sensitive colour macro 2: RGBW	Music-sensitive sequence including all colours

7 - Dimensions



Because CONTEST® takes the utmost care in its products to make sure you only get the best possible quality, our products are subjects to modifications without prior notice. That is why technical specifications and the products physical configuration might differ from the illustrations.  
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