

ENGLISH

Aircone Q6

V2

Ordercode: 40314

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Warning



**For your own safety, please read this user manual carefully
before your initial start-up!**

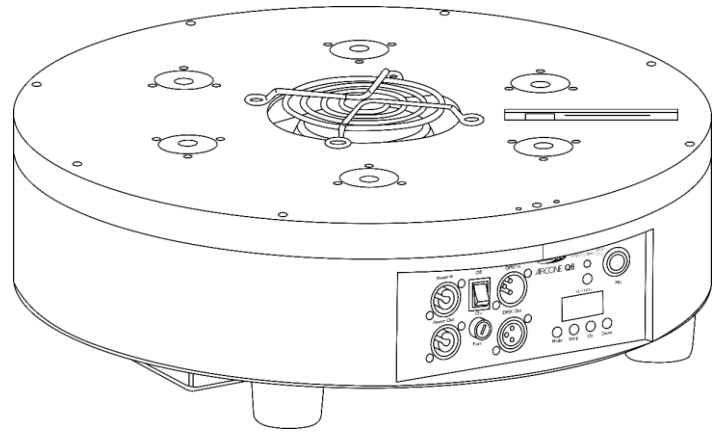


Unpacking Instructions

Immediately upon receiving this product, carefully unpack the carton and examine the contents to see if all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a device must be returned to the factory, it is important that the device be returned in the original factory box and packing.

Your shipment includes:

- Showtec Aircone Q6
- Cone with Velcro fastener
- Schuko to Power Pro power cable (1,5 m)
- 2 x quick-lock bracket
- User manual



LED Expected Lifespan

LEDs gradually decline in brightness over time. HEAT is the dominant factor that leads to the acceleration of this decline. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal or singular optimum conditions. For this reason, when all color LEDs are used at their fullest intensity, life of the LEDs is significantly reduced. If improving the lifespan is of higher priority, place care in providing for lower operational temperatures. This may include climatic-environmental and the reduction of overall projection intensity.



CAUTION!

**Keep this device away from rain and moisture!
Unplug mains lead before opening the housing!**



Safety Instructions

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow the instructions of this manual



**CAUTION! Be careful with your operations.
With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!**



Before the initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes contained in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never let the power cord come into contact with other cables! Handle the power cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the device.
- Never use anything to cover the ground contact.
- Never lift the device holding it by the projector-head, as the mechanics may be damaged. Always hold the device by the transport handles.
- Never put any material over the LEDs.
- Never look directly into the light source.
- Never leave any cables lying around.
- Do not insert objects into air vents.
- Do not connect this device to a dimmer pack.
- Do not switch the device on and off in short intervals, as this will reduce the device's life.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only use the device indoors, avoid contact with water or other liquids.
- Only operate the device after having made sure that the housing is firmly closed and all screws are tightly fastened.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always keep the case closed while operating.
- Always allow a free air space of at least 50 cm around the device for ventilation.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power cord holding it by the plug. Never pull out the plug by tugging the power cord.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power cord is never crimped or damaged. Examine the device and the power cord from time to time.
- If device was dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Showtec device fails to work properly, discontinue the use immediately. Pack the device securely (preferably in the original packing material), and return it to your Showtec dealer for service.
- For adult use only. The device must be installed beyond the reach of children. Never leave the device running unattended.
- Never attempt to bypass the thermostatic switch or fuses.
- For replacement use fuses of same type and rating only.
- The user is responsible for correct positioning and operating of the Aircone. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- **WARRANTY:** Till one year after date of purchase.



CAUTION! Eyedamages!!!
Avoid looking directly into the lightsource!!!
(meant especially for epileptics)!!!



Operating Determinations

- This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.
- The minimum distance between light output and the illuminated surface must be bigger than 1 meter.
- To eliminate wear and improve lifespan, during periods of non-use, completely disconnect from power via breaker or by disconnecting the power cable.
- The maximum ambient temperature $t_a = 40\text{ °C}$ must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of 40 °C.
- If this device is operated in any other way than the one described in this manual, the product may suffer damages and the warranty becomes void.
- Any other operation may lead to dangers like short-circuit, burns, electric shock, crash, etc.

You endanger your own safety and the safety of others!

Rigging

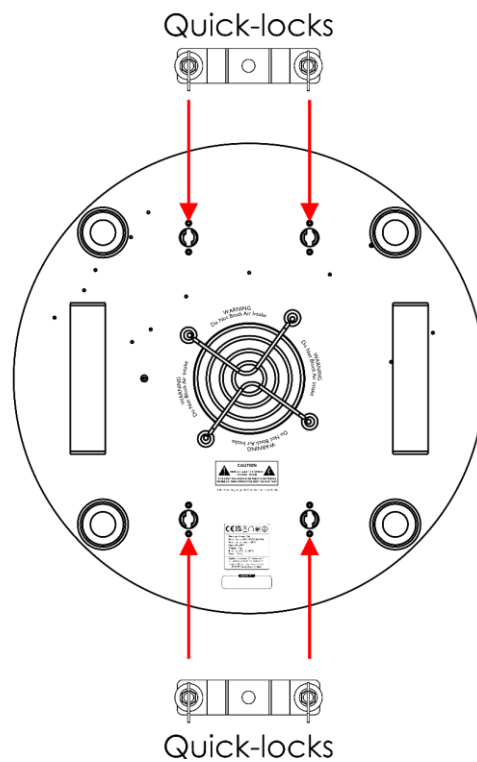
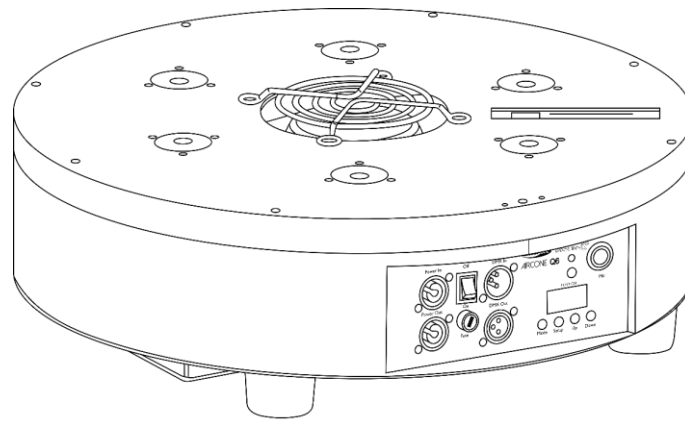
Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.

Do not attempt the installation yourself !

Always let the installation be carried out by an authorized dealer !

Procedure:

- If the Aircone is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the Aircone, with the mounting bracket, to the trussing system.
- The Aircone must never be fixed swinging freely in the room.
- The installation must always be secured with a safety attachment, e.g. an appropriate safety net or safety cable.
- When rigging, derigging or servicing the Aircone, always make sure, that the area below the installation site is secured and that there are not any unauthorized people around.



The Aircone can be put on a flat stage floor or mounted to any kind of truss with a clamp.

Improper installation can cause serious injuries and/or damage of property!

Connection with the mains

Connect the device to the mains with the power-plug.
Always make sure that the right color cable is connected to the right place.

International	EU Cable	UK Cable	US Cable	Pin
L	BROWN	RED	YELLOW/COPPER	PHASE
N	BLUE	BLACK	SILVER	NEUTRAL
⊕	YELLOW/GREEN	GREEN	GREEN	PROTECTIVE GROUND

Make sure that the device is always properly connected to the earth!

Improper installation can cause serious injuries and/or damage of property!



Return Procedure

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail offersales@highlite.com and request an RMA prior to shipping the device. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack device, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:

- 01) Your name
- 02) Your address
- 03) Your phone number
- 04) A brief description of the symptoms

Claims

The client has the obligation to examine the delivered goods immediately upon delivery for any shortcomings and/or visible defects, or after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.

It is the customer's responsibility to report and submit claims with the shipper in the event that a device is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.

Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless agreed otherwise in writing.

Complaints against us must be prepared in writing or sent by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.

Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement from which the obligation is resulting.

Description of the device

Features

The Aircone Q6 is the ultimate decorative light effect, suitable for a wide range of venues, such as: festivals, stages, weddings, corporate events and theme parks. The Aircone Q6 is equipped with 6 x 8 W Q6 RGBWA-UV LEDs and supports wireless DMX.

- Input voltage: 220–240 V AC, 50/60 Hz
- Power consumption: 150 W
- Light source: 6 x 8 W RGBWA-UV LEDs
- DMX channels: 3, 6, 6, 12 channels
- 7-segment LED display
- Control modes: Auto, Built-in programs, Static Colors, Sound, Slave, DMX
- Control protocol: DMX-512, wireless DMX
- Dimmer: 0–100 %
- Strobe: 0–20 Hz
- Connections: 3-pin XLR data connectors IN/OUT, Power Pro power connectors IN/OUT
- IP rating: IP20
- Housing: Aluminum
- Cooling: Axial fan
- Color: Black
- Fuse: T2AL/250 V
- Dimensions: 470 x 470 x 150 mm (LxWxH), total height: 2700 mm
- Weight: 11 kg

Optional accessories

[40315](#) – Separate cone for Aircone Q6

[40316](#) – Separate pyramid for Aircone Q6

Overview

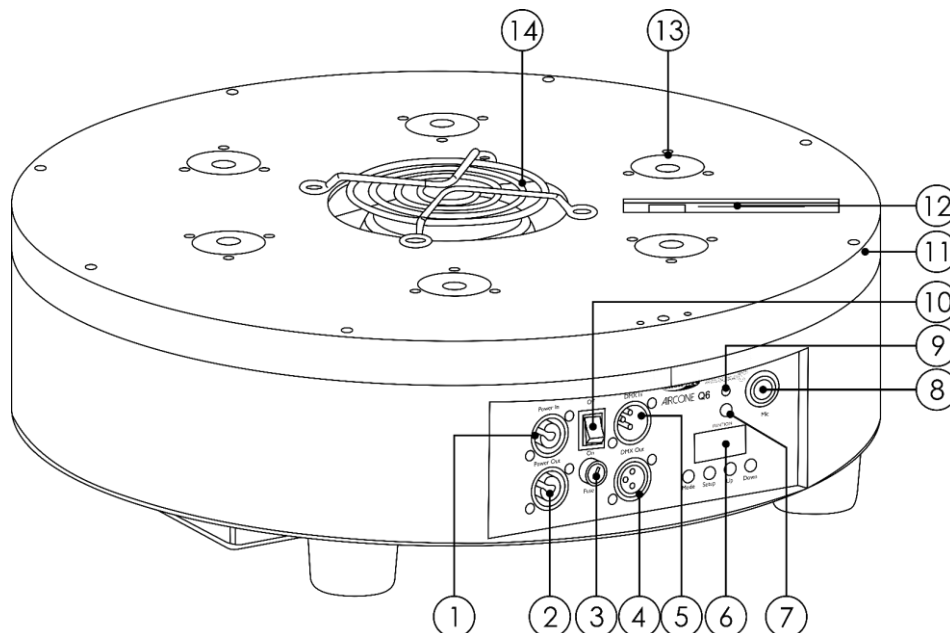


Fig. 01

- | | |
|--|--------------------------------|
| 01) 100–240 V Power Pro power connector IN (Blue) | 08) Built-in microphone |
| 02) 100–240 V Power Pro power connector OUT (Gray) | 09) Wireless DMX LED indicator |
| 03) Fuse T2AL/250V | 10) Power switch ON/OFF |
| 04) 3-pin DMX signal connector OUT | 11) Velcro fastener |
| 05) 3-pin DMX signal connector IN | 12) Wireless DMX antenna |
| 06) LED display + control buttons | 13) 6 x 8 W RGBWA-UV LEDs |
| 07) Function button | 14) Air exhaust |

Installation

Remove all packing materials from the Aircone Q6. Remove all foam and plastic padding.
Connect all cables.

Do not supply power before the whole system is set up and connected properly.

Always disconnect from electric mains power supply before cleaning or servicing.

Damages caused by non-observance are not subject to warranty.

Set Up and Operation

Follow the directions below, as they pertain to your preferred operation mode.

Before plugging the device in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120 V specification product on 230 V power, or vice versa.

Connect the device to the main power supply.

Cone Installation

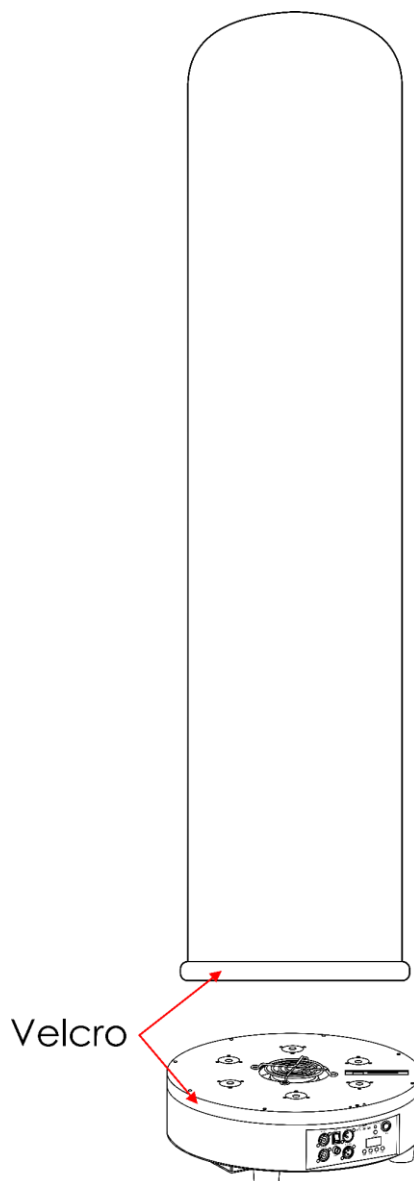


Fig. 02

Attach the Velcro fastener of the cone to the Velcro fastener around the edge of the Aircone.

Wireless DMX Control

Transmitter/Receiver Mode Selection

01) Press the **function button (07)**. The display shows the selected wireless DMX operation mode:

Transmitter mode

Receiver mode

- 02) Press and hold down the **function button (07)** for 5 seconds to switch between the 2 operation modes (Transmitter mode and Receiver mode). The display will count from 0 to 5, to indicate how long the **function button (07)** is pressed.
- 03) When the display shows "5," release the **function button (07)** to switch the operation mode.
- 04) Press the **function button (07)** once to see the currently selected operation mode.
- 05) Repeat steps 2–4 to switch to the other operation mode.

Transmitter Mode

In this mode the Aircone sends DMX signals to the paired receivers.

- 01) Press and hold down the **function button (07)**, until the display shows . The Aircone tries to connect to the available wireless DMX receivers. The **LED indicator (09)** flashes fast. If the connection is successful, the **LED indicator (09)** remains on.
- 02) Press one of the **control buttons (06)** to enter main menu and select the operation mode. This step is necessary for the Aircone to send a DMX signal to wireless DMX receivers. When a DMX signal is sent, the **LED indicator (09)** flashes slowly.
- 03) Press and hold down the **function button (07)** until the display shows . The Aircone disconnects from all paired wireless DMX receivers.

Receiver Mode

In this mode, the Aircone receives DMX signals from a transmitter. When the Aircone does not receive any signal, the **LED indicator (09)** is off. When the Aircone receives a signal from the transmitter, the **LED indicator (09)** is on.

- 01) Pair the transmitter with the Aircone. The **LED indicator (09)** will flash fast. If the connection is successful, the **LED indicator (09)** flashes slowly.
- 02) Press and hold down the **function button (07)** until the display shows . The Aircone will disconnect from the transmitter.

Control Modes

There are 6 modes:

- Stand-alone (Auto)
- Built-in programs
- Manual
- Sound-controlled
- Master/Slave
- DMX-512 (3CH, 6CH, 6CH, 12CH)

- Fasten the effect light to a firm trussing. Leave at least 0,5 meter on all sides for air circulation.
- Always use a safety cable (ordercode 70140 / 70141).

One Aircone (Auto, Built-in programs and Manual)

When the Aircone is not connected with a DMX cable, it functions as a stand-alone device. Please see pages 15–16 for more information about Auto, Built-in programs and Manual mode.

One Aircone (Sound-controlled)

Turn on the music. If the device is set to sound-control, then the Aircone will react to the beat of the music. Please see page 16 for more information about the sound-control options.

Multiple Aircones (Master/Slave control)

01) Use a 3-pin XLR cable to connect the Aircone.

The pins:



- 01) Earth
- 02) Signal -
- 03) Signal +

02) Link the devices as shown in Fig. 03. Connect the first device's DMX "out" socket with the second device's "in" socket, using a DMX signal cable. Repeat this process to link the second, third, and fourth devices.

You can use the same functions on the master device as described on pages 15–16 (Auto, Built-in programs, Manual or Sound-controlled mode). This means that you can set your desired operation mode on the master device and all slave devices will react the same as the master device.

Multiple Aircones (Master/Slave control)

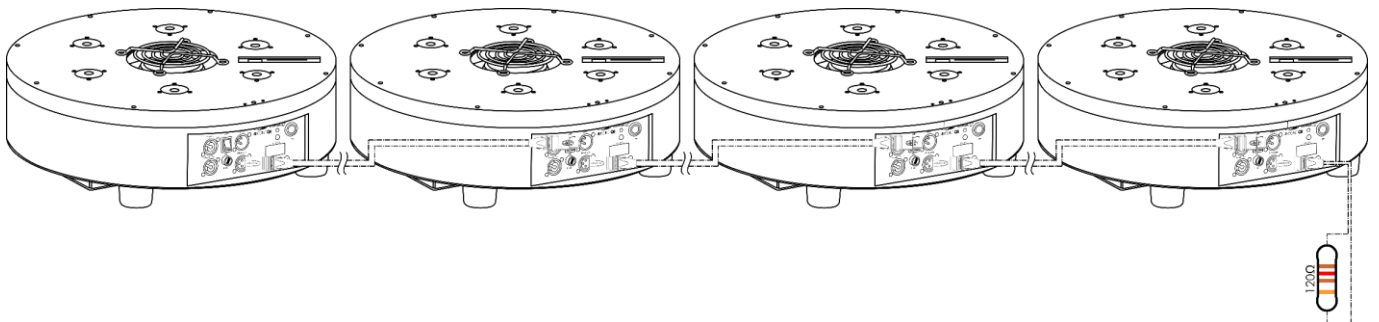
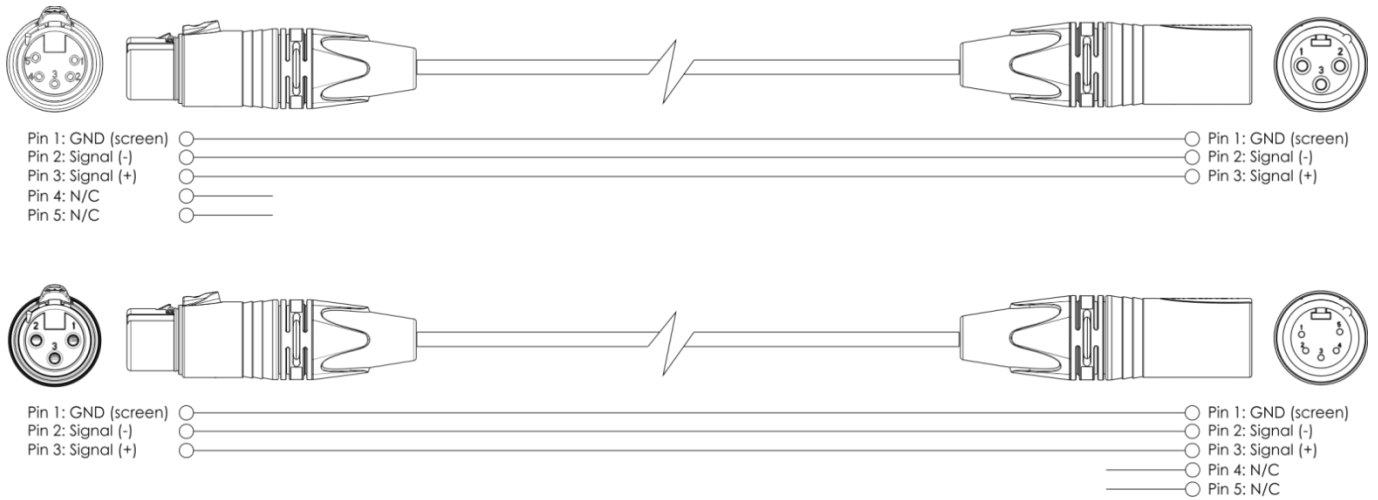


Fig. 03

Multiple Aircones (DMX Control)

- 01) Fasten the effect light to a firm trussing. Leave at least 0,5 meter on all sides for air circulation.
- 02) Use a 3-pin XLR cable to connect the Aircones and other devices.



- 03) Link the devices as shown in Fig. 04. Connect the first device's DMX "out" socket with the second device's "in" socket, using a DMX signal cable. Repeat this process to link the second, third, and fourth devices.
- 04) Supply electric power: Plug electric mains power cords into each device's Power Pro socket, then plug the other end of the mains power cord into proper electric power supply sockets, starting with the first device. Do not supply power before the whole system is set up and connected properly.

Multiple Aircones DMX Set Up

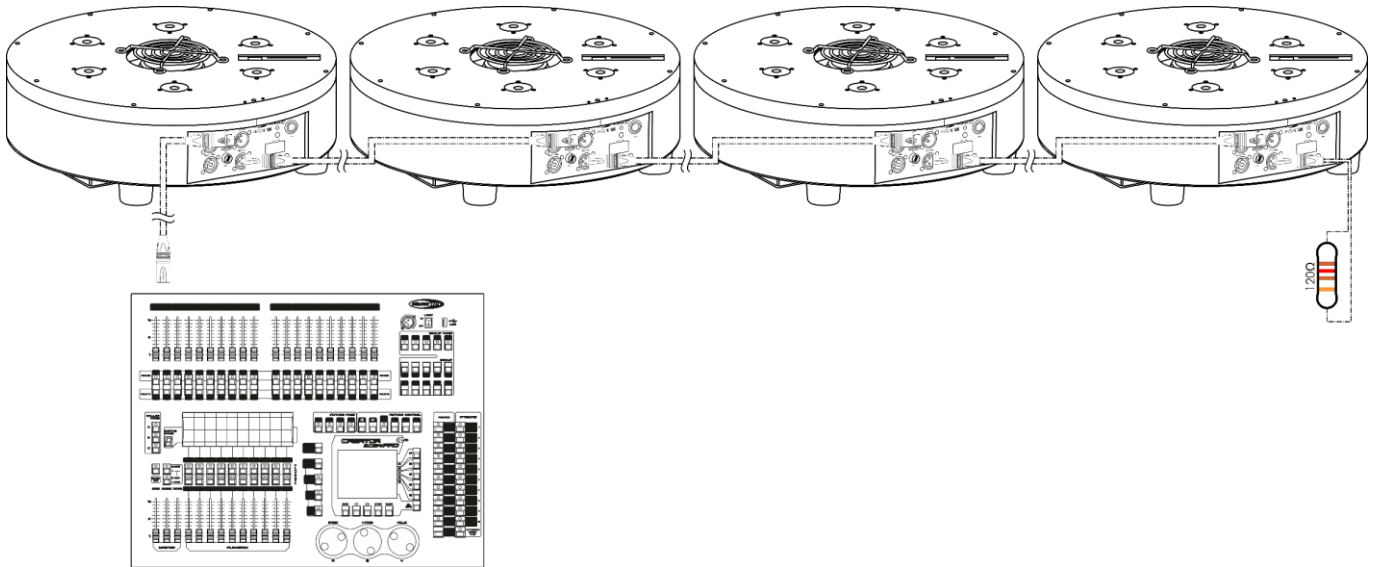


Fig. 04

Note: Link all cables before connecting electric power

Device Linking

You will need a serial data link to run light shows of one or more devices using a DMX-512 controller or to run synchronized shows of two or more devices set to a master/slave operating mode. The combined number of channels required by all the devices on a serial data link determines the number of devices the data link can support.

Important: Devices on a serial data link must be daisy-chained in a single line. To comply with the EIA-485 standard, no more than 30 devices should be connected on one data link. Connecting more than 30 devices on one serial data link without the use of a DMX optically isolated splitter may result in deterioration of the digital DMX signal.



Maximum recommended DMX data link distance: 100 meters

Maximum recommended number of devices on a DMX data link: 30 devices

Maximum recommended number of devices on a power link @230 V: 7 devices

Data Cabling

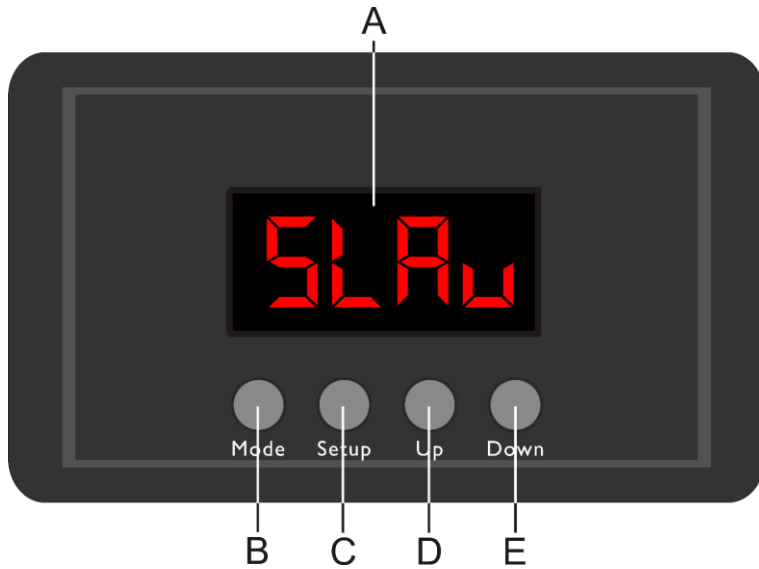
To link devices together, you must obtain data cables. You can purchase DAP Audio certified DMX cables directly from a dealer/distributor or construct your own cable. If you choose to create your own cable, please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

DAP Audio DMX Data Cables

- DAP Audio Basic microphone cable for allround use. bal. XLR/M 3-pin > XLR/F 3-pin. **Ordercode** FL01150 (1,5 m), FL013 (3 m), FL016 (6 m), FL0110 (10 m), FL0115 (15 m), FL0120 (20 m).
- DAP Audio X-type data cable XLR/M 3-pin > XLR/F 3-pin. **Ordercode** FLX0175 (0,75 m), FLX01150 (1,5 m), FLX013 (3 m), FLX016 (6 m), FLX0110 (10 m).
- DAP Audio cable for the demanding user with exceptional audio-qualities and connector made by Neutrik®. **Ordercode** FL71150 (1,5 m), FL713 (3 m), FL716 (6 m), FL7110 (10 m).
- DAP Audio cable for the demanding user with exceptional audio-qualities and connector made by Neutrik®. **Ordercode** FL7275 (0,75 m), FL72150 (1,5 m), FL723 (3 m), FL726 (6 m), FL7210 (10 m).
- DAP Audio 110 Ohm cable with digital signal transmission. **Ordercode** FL0975 (0,75 m), FL09150 (1,5 m), FL093 (3 m), FL096 (6 m), FL0910 (10 m), FL0915 (15 m), FL0920 (20 m).

The Aircone Q6 can be operated with a controller in **control mode** or without the controller in **stand-alone mode**.

Control Panel



- A) LED display
- B) MODE button
- C) SETUP button
- D) UP button
- E) DOWN button

Fig. 05

Control Mode

The devices are individually addressed on a data-link and connected to the controller. The devices respond to the DMX signal from the controller. (When you select the DMX address and save it, the controller will display the saved DMX address, next time.)

DMX Addressing

The control panel on the front side of the base allows you to assign DMX device addresses, which is the first channel with which the Aircone will respond to the controller.

The device has **12** channels.

When using multiple Aircones, make sure that you set the DMX addresses right.

The DMX address of the first Aircone should be **1(001)**; the DMX address of the second Aircone should be **1+12=13 (013)**; the DMX address of the third Aircone should be **13+12=25 (025)**, etc.

Make sure that you do not have any overlapping channels, to control each Aircone correctly. If two or more Aircones are addressed similarly, they will work similarly.

Controlling:

When all Aircone devices have a correct DMX address, use a lighting controller to operate them.

Note: After switching on, the Aircone will automatically detect whether DMX 512 data is received or not. If there is no data received at the DMX input, the "LED" on the control panel will not flash.

If not, the problem may be:

- The XLR cable from the controller is not connected to the input of the Aircone Q6.
- The controller is switched off or defective, the cable or connector is defective, or the signal wires are swapped in the input connector.

Note: It is necessary to insert an XLR termination plug (with 120 Ohm) in the last device for correct proper transmission on the DMX data link.

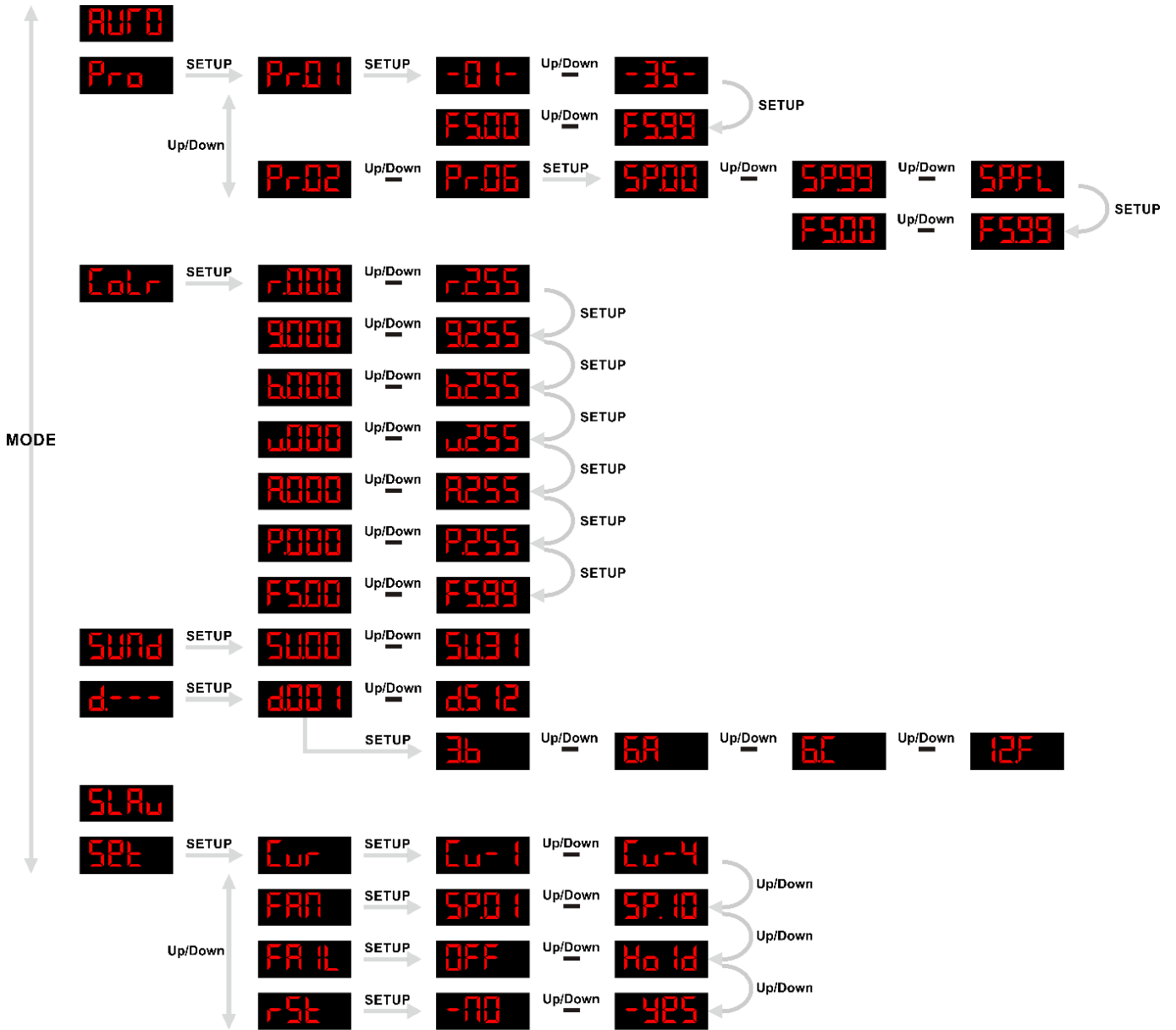
Display Off after 60 seconds

When no button is pressed for 60 seconds, the display will turn off.

To light up the display, press the MODE, SETUP, UP or DOWN button.

When the button is pressed, the display lights up.

Menu Overview



Main Menu Options

AUTO	1. Auto
Pro	2. Built-in programs
CoLr	3. Manual (Static Colors)
SUNd	4. Sound-controlled
d---	5. DMX-512
SLAv	6. Master/Slave
SEt	7. Settings

The Aircone will show its software version upon start-up: **U12**.

Use the **MODE** button to navigate through the available menus. Use the **SETUP** button to enter a menu.

1. Auto

The device runs the built-in programs in a sequence.

2. Built-in programs

- 01) Press the **UP/DOWN** buttons to select a program. The adjustment range is **Pr01** and **Pr06**.
- 02) Press the **SETUP** button to enter the settings.

2.1. Program 01













- 01) Press the **UP/DOWN** buttons to select a color macro. The adjustment range is between **-01-** ^{Up/Down} **-35-**.
- 02) Press the **SETUP** button to enter the strobe settings.
- 03) Press the **UP/DOWN** buttons to set the strobe frequency. The adjustment range is **F500** ^{Up/Down} **F599**, from OFF to high frequency.

2.2. Programs 02–06

- 01) Press the **UP/DOWN** buttons to set the program speed. The adjustment range is **SP00** ^{Up/Down} **SP99** ^{Up/Down} **SPFL**, from slow to fast and full speed.
- 02) Press the **SETUP** button to enter the strobe settings.
- 03) Press the **UP/DOWN** buttons to set the strobe frequency. The adjustment range is **F500** ^{Up/Down} **F599**, from OFF to high frequency.


3. Manual (Static Colors)

- 01) Repeatedly press the **SETUP** button to toggle through the following static colors RED, GREEN, BLUE, WHITE, AMBER, UV.
- 02) Press the **UP/DOWN** buttons to set the LED brightness.



	Up/Down —		Red
	Up/Down —		Green
	Up/Down —		Blue
	Up/Down —		White
	Up/Down —		Amber
	Up/Down —		UV

The adjustment range for each color is 0–255 (0–100 %). You can combine RED, GREEN, BLUE, WHITE, AMBER and UV to create an infinite range of colors (0–255).

3.1. Strobe

Press the **UP/DOWN** buttons to set the strobe frequency. The adjustment range is  Up/Down , from OFF to high frequency.

4. Sound-controlled

Press the **UP/DOWN** buttons to set the sound sensitivity. The adjustment range is  Up/Down , from OFF to high sound sensitivity.

5. DMX-512



Press the **UP/DOWN** buttons to select a DMX address. The adjustment range is  Up/Down .

6. Master/Slave

The device is operates in Slave mode and will react the same as its master device.

7. Settings

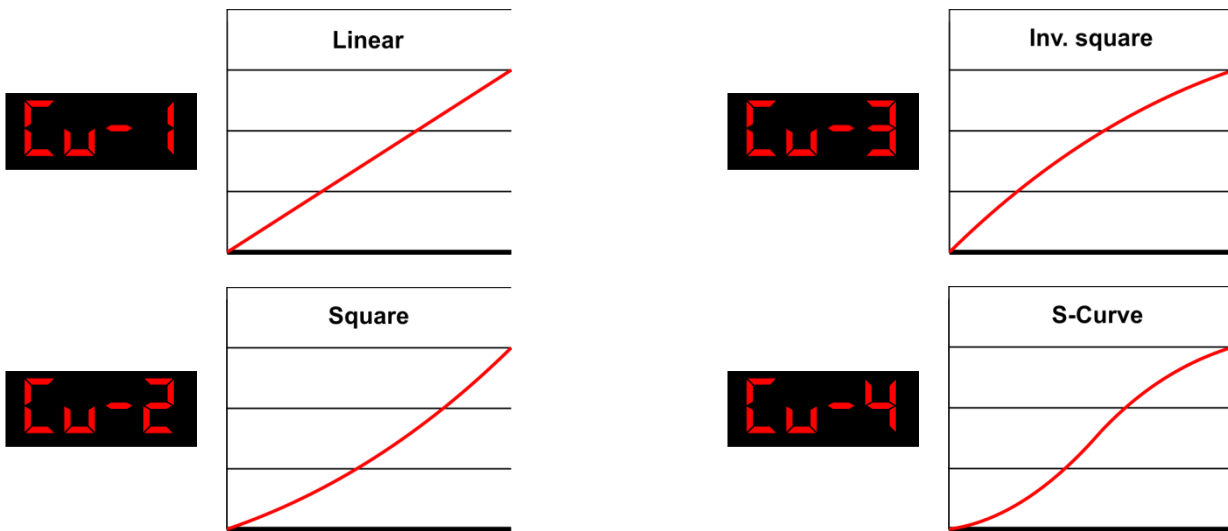
- 01) Repeatedly press the **UP/DOWN** buttons to toggle through the following submenus:

	Dimming curves
	Fan speed
	DMX failure
	Reset settings

- 02) Press the **SETUP** button to open a submenu.

7.1. Dimming Curves

01) Press the **UP/DOWN** buttons to set one of the 4 dimming curves:



7.2. Fan Speed

Press the **UP/DOWN** buttons to set the fan speed. The adjustment range is **SP01** ^{Up/Down} **SP.10**, from slow to fast.

7.3. DMX Failure

Press the **UP/DOWN** buttons to select one of the 2 options:

- **OFF**: In case of a DMX failure, the device turns off the light output.
- **Hold**: In case of a DMX failure, the device uses the last correctly received DMX signal, without disrupting the performance.

7.4. Reset Settings

01) Press the **UP/DOWN** buttons to select one of the 2 options:

- **-NO**: The display shows the main menu.
- **-YES**: The device restores the default factory settings.

02) Press the **SETUP** button to confirm.

DMX Channels

3 channels (3.b)

Channel 1 – Dimmer

0–255 Dimmer intensity, from dark to brightest

Channel 2 – Strobe ⚠ CH1 must be open ⚠

0–255 Strobe ON, from low to high frequency

Channel 3 – Color presets ⚠ CH1 must be open ⚠

0–6	OFF
7–13	Color 1: R(255)G(0)B(0)W(100)A(0)P(0)
14–20	Color 2: R(255)G(0)B(0)W(200)A(0)P(0)
21–27	Color 3: R(255)G(50)B(0)W(0)A(0)P(0)
28–34	Color 4: R(255)G(150)B(0)W(0)A(255)P(0)
35–41	Color 5: R(255)G(255)B(0)W(0)A(120)P(0)
42–48	Color 6: R(255)G(255)B(0)W(75)A(0)P(0)
49–55	Color 7: R(0)G(255)B(0)W(255)A(0)P(0)
56–62	Color 8: R(0)G(255)B(0)W(150)A(0)P(0)
63–69	Color 9: R(0)G(255)B(0)W(50)A(0)P(0)
70–76	Color 10: R(0)G(255)B(0)W(0)A(0)P(0)
77–83	Color 11: R(0)G(255)B(50)W(0)A(0)P(50)
84–90	Color 12: R(0)G(255)B(150)W(0)A(0)P(150)
91–97	Color 13: R(0)G(255)B(255)W(0)A(0)P(255)
98–104	Color 14: R(0)G(255)B(255)W(75)A(0)P(255)
105–111	Color 15: R(0)G(255)B(255)W(150)A(0)P(255)
112–118	Color 16: R(0)G(100)B(255)W(255)A(0)P(255)
119–125	Color 17: R(0)G(0)B(255)W(100)A(0)P(255)
126–132	Color 18: R(0)G(0)B(255)W(50)A(0)P(255)
133–139	Color 19: R(0)G(0)B(255)W(0)A(0)P(0)
140–146	Color 20: R(75)G(0)B(255)W(0)A(0)P(255)
147–153	Color 21: R(160)G(0)B(255)W(0)A(0)P(255)
154–160	Color 22: R(255)G(0)B(255)W(0)A(0)P(255)
161–167	Color 23: R(255)G(0)B(175)W(0)A(0)P(175)
168–174	Color 24: R(255)G(0)B(100)W(0)A(0)P(100)
175–181	Color 25: R(255)G(0)B(100)W(50)A(0)P(100)
182–188	Color 26: R(255)G(0)B(25)W(50)A(0)P(25)
189–195	Color 27: R(255)G(0)B(25)W(25)A(0)P(25)
196–202	Color 28: R(255)G(0)B(25)W(0)A(0)P(25)
203–209	Color 29: R(0)G(0)B(0)W(255)A(0)P(0)
210–216	Color 30: R(75)G(75)B(0)W(255)A(0)P(0)
217–223	Color 31: R(0)G(0)B(100)W(255)A(0)P(100)
224–230	Color 32: R(255)G(150)B(0)W(70)A(255)P(0)
231–237	Color 33: R(255)G(255)B(255)W(255)A(40)P(255)
238–255	Color 34: R(255)G(255)B(255)W(255)A(255)P(255)

6 channels (6.A)

Channel 1 – Dimmer

0–255 Dimmer intensity, from dark to brightest

Channel 2 – Strobe ⚠ CH1 must be open ⚠

0–255 Strobe ON, from low to high frequency

Channel 3 – Color presets ⚠️ **CH1 must be open, CH4 must be set between 0–41** ⚠️

0–6	OFF
7–13	Color 1: R(255)G(0)B(0)W(100)A(0)P(0)
14–20	Color 2: R(255)G(0)B(0)W(200)A(0)P(0)
21–27	Color 3: R(255)G(50)B(0)W(0)A(0)P(0)
28–34	Color 4: R(255)G(150)B(0)W(0)A(255)P(0)
35–41	Color 5: R(255)G(255)B(0)W(0)A(120)P(0)
42–48	Color 6: R(255)G(255)B(0)W(75)A(0)P(0)
49–55	Color 7: R(0)G(255)B(0)W(255)A(0)P(0)
56–62	Color 8: R(0)G(255)B(0)W(150)A(0)P(0)
63–69	Color 9: R(0)G(255)B(0)W(50)A(0)P(0)
70–76	Color 10: R(0)G(255)B(0)W(0)A(0)P(0)
77–83	Color 11: R(0)G(255)B(50)W(0)A(0)P(50)
84–90	Color 12: R(0)G(255)B(150)W(0)A(0)P(150)
91–97	Color 13: R(0)G(255)B(255)W(0)A(0)P(255)
98–104	Color 14: R(0)G(255)B(255)W(75)A(0)P(255)
105–111	Color 15: R(0)G(255)B(255)W(150)A(0)P(255)
112–118	Color 16: R(0)G(100)B(255)W(255)A(0)P(255)
119–125	Color 17: R(0)G(0)B(255)W(100)A(0)P(255)
126–132	Color 18: R(0)G(0)B(255)W(50)A(0)P(255)
133–139	Color 19: R(0)G(0)B(255)W(0)A(0)P(0)
140–146	Color 20: R(75)G(0)B(255)W(0)A(0)P(255)
147–153	Color 21: R(160)G(0)B(255)W(0)A(0)P(255)
154–160	Color 22: R(255)G(0)B(255)W(0)A(0)P(255)
161–167	Color 23: R(255)G(0)B(175)W(0)A(0)P(175)
168–174	Color 24: R(255)G(0)B(100)W(0)A(0)P(100)
175–181	Color 25: R(255)G(0)B(100)W(50)A(0)P(100)
182–188	Color 26: R(255)G(0)B(25)W(50)A(0)P(25)
189–195	Color 27: R(255)G(0)B(25)W(25)A(0)P(25)
196–202	Color 28: R(255)G(0)B(25)W(0)A(0)P(25)
203–209	Color 29: R(0)G(0)B(0)W(255)A(0)P(0)
210–216	Color 30: R(75)G(75)B(0)W(255)A(0)P(0)
217–223	Color 31: R(0)G(0)B(100)W(255)A(0)P(100)
224–230	Color 32: R(255)G(150)B(0)W(70)A(255)P(0)
231–237	Color 33: R(255)G(255)B(255)W(255)A(40)P(255)
238–255	Color 34: R(255)G(255)B(255)W(255)A(255)P(255)

Channel 4 – Functions

0–41	Built-in program (dimfade1)
42–83	Built-in program (dimfade2)
84–125	Built-in program (dimfade3)
126–167	Built-in program (colorswitch1)
168–209	Built-in program (colorswitch2)
210–251	Built-in program (colorswitch3)
252–255	Sound-controlled mode

Channel 5 – Program speed ⚠️ **CH4 must be set between 42–251** ⚠️

0–255	Program speed adjustment, from slow to fast
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Channel 5 – Sound sensitivity ⚠️ **CH4 must be set between 252–255** ⚠️

0–255	Sound sensitivity, from low to high sensitivity
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Channel 6 – Fan speed

0–255	Fan speed adjustment, from fast to slow
-------	---

6 channels (6.C)

Channel 1 – Red

0–255 Gradual adjustment Red, from 0–100 %

Channel 2 – Green

0–255 Gradual adjustment Green, from 0–100 %

Channel 3 – Blue

0–255 Gradual adjustment Blue, from 0–100 %

Channel 4 – White

0–255 Gradual adjustment White, from 0–100 %

Channel 5 – Amber

0–255 Gradual adjustment Amber, from 0–100 %

Channel 6 – UV

0–255 Gradual adjustment UV, from 0–100 %

12 channels (12.F)

Channel 1 – Dimmer

0–255 Dimmer intensity, from dark to brightest

Channel 2 – Strobe CH1 must be open

0–255 Strobe ON, from low to high frequency

Channel 3 – Color presets CH1 must be open, CH4 must be set between 0–41

0–6	OFF
7–13	Color 1: R(255)G(0)B(0)W(100)A(0)P(0)
14–20	Color 2: R(255)G(0)B(0)W(200)A(0)P(0)
21–27	Color 3: R(255)G(50)B(0)W(0)A(0)P(0)
28–34	Color 4: R(255)G(150)B(0)W(0)A(255)P(0)
35–41	Color 5: R(255)G(255)B(0)W(0)A(120)P(0)
42–48	Color 6: R(255)G(255)B(0)W(75)A(0)P(0)
49–55	Color 7: R(0)G(255)B(0)W(255)A(0)P(0)
56–62	Color 8: R(0)G(255)B(0)W(150)A(0)P(0)
63–69	Color 9: R(0)G(255)B(0)W(50)A(0)P(0)
70–76	Color 10: R(0)G(255)B(0)W(0)A(0)P(0)
77–83	Color 11: R(0)G(255)B(50)W(0)A(0)P(50)
84–90	Color 12: R(0)G(255)B(150)W(0)A(0)P(150)
91–97	Color 13: R(0)G(255)B(255)W(0)A(0)P(255)
98–104	Color 14: R(0)G(255)B(255)W(75)A(0)P(255)
105–111	Color 15: R(0)G(255)B(255)W(150)A(0)P(255)
112–118	Color 16: R(0)G(100)B(255)W(255)A(0)P(255)
119–125	Color 17: R(0)G(0)B(255)W(100)A(0)P(255)
126–132	Color 18: R(0)G(0)B(255)W(50)A(0)P(255)
133–139	Color 19: R(0)G(0)B(255)W(0)A(0)P(0)
140–146	Color 20: R(75)G(0)B(255)W(0)A(0)P(255)
147–153	Color 21: R(160)G(0)B(255)W(0)A(0)P(255)
154–160	Color 22: R(255)G(0)B(255)W(0)A(0)P(255)
161–167	Color 23: R(255)G(0)B(175)W(0)A(0)P(175)
168–174	Color 24: R(255)G(0)B(100)W(0)A(0)P(100)
175–181	Color 25: R(255)G(0)B(100)W(50)A(0)P(100)
182–188	Color 26: R(255)G(0)B(25)W(50)A(0)P(25)

189–195	Color 27: R(255)G(0)B(25)W(25)A(0)P(25)
196–202	Color 28: R(255)G(0)B(25)W(0)A(0)P(25)
203–209	Color 29: R(0)G(0)B(0)W(255)A(0)P(0)
210–216	Color 30: R(75)G(75)B(0)W(255)A(0)P(0)
217–223	Color 31: R(0)G(0)B(100)W(255)A(0)P(100)
224–230	Color 32: R(255)G(150)B(0)W(70)A(255)P(0)
231–237	Color 33: R(255)G(255)B(255)W(255)A(40)P(255)
238–255	Color 34: R(255)G(255)B(255)W(255)A(255)P(255)

Channel 4 – Functions

0–41	Built-in program (dimfade1)
42–83	Built-in program (dimfade2)
84–125	Built-in program (dimfade3)
126–167	Built-in program (colorswitch1)
168–209	Built-in program (colorswitch2)
210–251	Built-in program (colorswitch3)
252–255	Sound-controlled mode

Channel 5 – Program speed  CH4 must be set between 42–251 

0–255	Program speed adjustment, from slow to fast
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Channel 5 – Sound sensitivity  CH4 must be set between 252–255 

0–255	Sound sensitivity, from low to high sensitivity
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Channel 6 – Fan speed

0–255	Fan speed adjustment, from fast to slow
-------	---

Channel 7 – Red** CH1 must be open, CH3 must be closed, CH4 must be set between 0–41 **

0–255	Gradual adjustment Red, from 0–100%
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Channel 8 – Green** CH1 must be open, CH3 must be closed, CH4 must be set between 0–41 **

0–255	Gradual adjustment Green, from 0–100%
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Channel 9 – Blue** CH1 must be open, CH3 must be closed, CH4 must be set between 0–41 **

0–255	Gradual adjustment Blue, from 0–100%
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Channel 10 – White** CH1 must be open, CH3 must be closed, CH4 must be set between 0–41 **

0–255	Gradual adjustment White, from 0–100%
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Channel 11 – Amber** CH1 must be open, CH3 must be closed, CH4 must be set between 0–41 **

0–255	Gradual adjustment Amber, from 0–100%
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Channel 12 – UV** CH1 must be open, CH3 must be closed, CH4 must be set between 0–41 **

0–255	Gradual adjustment UV, from 0–100%
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Maintenance

The operator has to make sure that safety-related and machine-technical installations are to be inspected by an expert after every year in the course of an acceptance test.

The operator has to make sure that safety-related and machine-technical installations are to be inspected by a skilled person once a year.

The following points have to be considered during the inspection:

- 01) All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
- 02) There may not be any deformations on housings, fixations and installation spots.
- 03) Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
- 04) The electric power supply cables must not show any damages or material fatigue.

The Aircone Q6 requires almost no maintenance. However, you should keep the device clean. Otherwise, the device's light output will be significantly reduced. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Wipe lens clean with glass cleaner and a soft cloth. Do not use alcohol or solvents.

The front lens will require weekly cleaning, as smoke-fluid tends to build up residues, reducing the light output very quickly.

The fan should be cleaned monthly, with a soft brush.

Please clean internal components once a year with a light brush and vacuum cleaner.

Keep connections clean. Disconnect electric power, and then wipe the DMX and audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Replacing the Fuse

Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out.

If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below:

- 01) Disconnect the device from electric power source.
- 02) Insert a screwdriver into the fuse holder. Turn the fuse holder counterclockwise. The fuse holder will come out.
- 03) Remove the used fuse. If brown or unclear, it is burned out.
- 04) Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse holder. Be sure to use a fuse of the same type and specification. See the product specification label for details.

Troubleshooting

This troubleshooting guide is meant to help solve simple problems.

If a problem occurs, carry out the steps below in sequence until a solution is found. Once the device operates properly, do not carry out following steps.

No Light

If the light effect does not operate properly, refer servicing to a technician.

Suspect three potential problem areas as: the power supply, the LEDs, the fuse.

- 01) Power supply. Make sure that the device is plugged into an appropriate power supply.
- 02) The LEDs. Return the Aircone to your Showtec dealer.
- 03) The fuse. Replace the fuse. See page 22 for replacing the fuse.
- 04) If all appears to be O.K., plug the device in again.
- 05) If you are unable to determine the cause of the problem, do not open the Aircone, as this may damage the device and the warranty will become void.
- 06) Return the device to your Showtec dealer.

No Response to DMX

Suspect the DMX cable or connectors, a controller malfunction, a light effect DMX card malfunction.

- 01) Examine the DMX setting. Make sure that DMX addresses are correct.
- 02) Examine the DMX cable: Disconnect the device; change the DMX cable; then reconnect to electrical power. Try your DMX control again.
- 03) Determine whether the controller or light effect is at fault. Does the controller operate properly with other DMX products? If not, take the controller in for repair. If so, take the DMX cable and the light effect to a qualified technician.

Problem	Probable cause(s)	Solution
One or more devices do not function at all	No power to the device	<ul style="list-style-type: none"> Make sure that power is switched on and cables are plugged in
	Primary fuse blown	<ul style="list-style-type: none"> Replace the fuse
Devices reset correctly, but all respond erratically or not at all to the controller	The controller is not connected.	<ul style="list-style-type: none"> Connect controller
	3-pin XLR Out of the controller does not match XLR Out of the first device on the link (i.e. signal is reversed)	<ul style="list-style-type: none"> Install a phase reversing cable between the controller and the first device on the link
Devices reset correctly, but some respond erratically or not at all to the controller	Poor data quality	<ul style="list-style-type: none"> Examine data quality. If much lower than 100 percent, the problem may be a bad data link connection, poor quality or broken cables, missing termination plug, or a defective device disturbing the link
	Bad data link connection	<ul style="list-style-type: none"> Inspect connections and cables. Correct poor connections. Repair or replace damaged cables
	Data link not terminated with 120 Ohm termination plug	<ul style="list-style-type: none"> Insert termination plug in output jack of the last device on the link
	Incorrect addressing of the devices	<ul style="list-style-type: none"> Examine address setting
	One of the devices is defective and disturbs data transmission on the link	<ul style="list-style-type: none"> Bypass one device at a time until normal operation is restored: disconnect both connectors and connect them directly together. Have the defective device serviced by a qualified technician
	3-pin XLR Out on the devices does not match (pins 2 and 3 reversed)	<ul style="list-style-type: none"> Install a phase-reversing cable between the devices or swap pin 2 and 3 in the device that behaves erratically
No light or LEDs cut out intermittently	Device is too hot	<ul style="list-style-type: none"> Allow the device to cool down Clean the fan Make sure air vents and front lens are not blocked Turn up the air conditioning
	LEDs damaged	<ul style="list-style-type: none"> Disconnect the device and return it to your dealer
	The power supply settings do not match local AC voltage and frequency	<ul style="list-style-type: none"> Disconnect device. Examine settings and correct if necessary

Product Specifications

Model:	Showtec Aircone Q6
Input voltage:	220–240 V AC, 50/60 Hz
Power consumption:	150 W
DMX linking:	30 pcs
Fuse:	T2AL/250 V
Dimensions:	470 x 470 x 150 mm (LxWxH), total height: 2700 mm
Weight:	11 kg
Operating and Programming:	
Signal pin OUT:	Pin 1 (earth), pin 2 (-), pin 3 (+)
DMX mode:	3, 6, 6, 12 channels
Signal input:	3-pin XLR IN
Signal output:	3-pin XLR OUT
Electro-mechanical effects:	
Light source:	6 x 8 W RGBWA-UV LEDs
Dimmer:	0–100 %
Strobe:	0–20 Hz
Housing:	Aluminum
DMX control:	via standard DMX controller
Onboard:	7-segment LED display
Control:	Auto, Built-in programs, Static Colors, Sound, Slave, DMX
Connections:	3-pin XLR data connectors IN/OUT, Power Pro power connectors IN/OUT
IP rating:	IP20
Cooling:	Axial fan
Color:	Black
Max. ambient temperature t_a :	From -10 °C to 40 °C
Max. housing temperature t_b :	70 °C
Minimum distance:	
Minimum distance from flammable surfaces:	0,5 m
Minimum distance to lighted object:	1 m

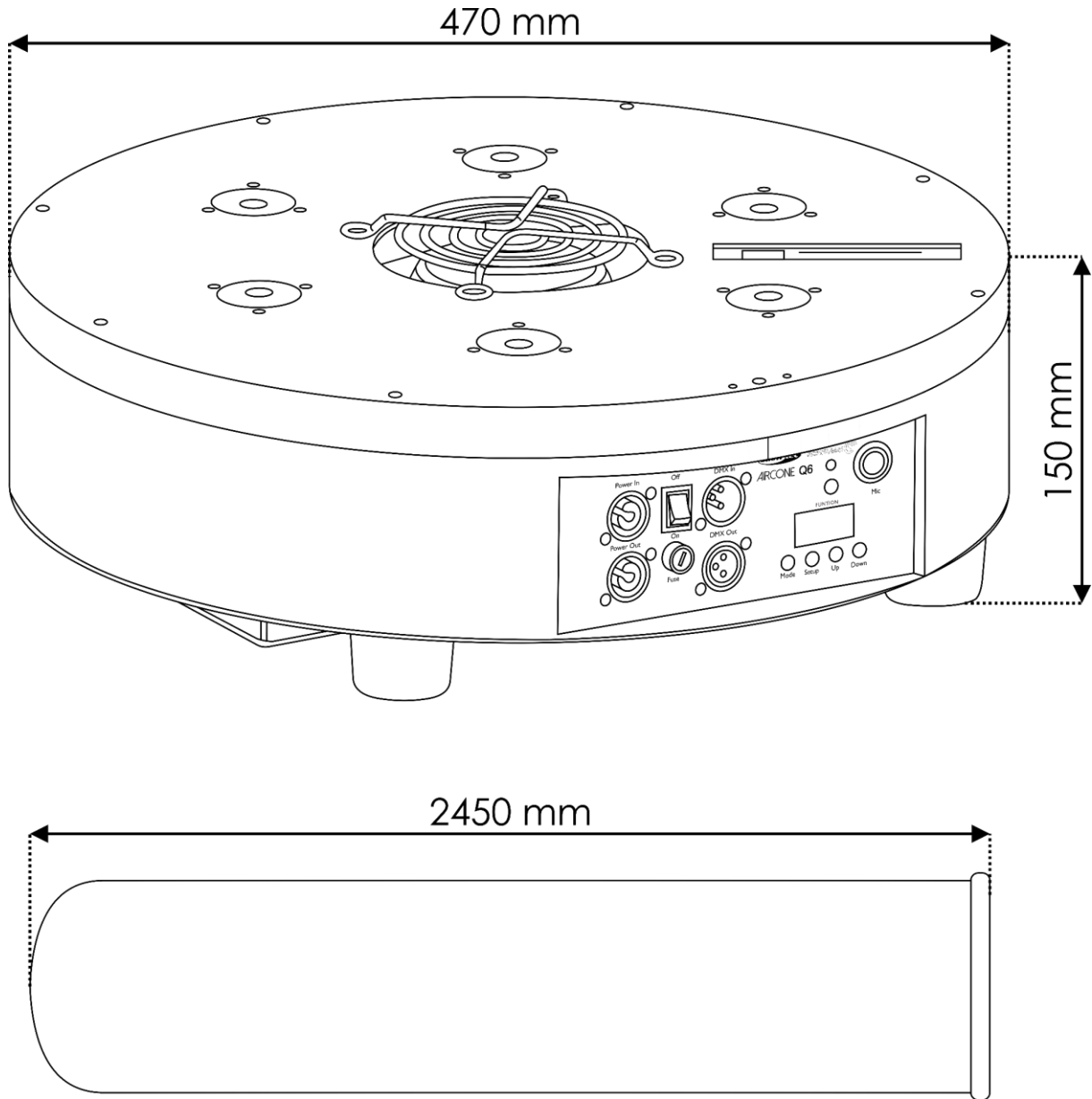
Design and product specifications are subject to change without prior notice.



Website: www.Showtec.info

Email: service@highlite.com

Dimensions





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