

Chroma-Q[®] ShowCom[™] Beltpack

User Manual



Chroma-Q[®]
BRILLIANT SOLUTIONS

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PN: SCBP1



Warranty Statement

Chroma-Q warrants to the original purchaser, with proof of purchase, that its delivered products shall be free from defects in material and workmanship under normal use for a period of 12 months from date of shipment.

Chroma-Q will repair, or at its option, provide an equivalent item or replace, the defective product during the stated warranty period. This warranty applies only to the repair or replacement of the product and only when the product is properly handled, installed and maintained according to Chroma-Q instructions. This warranty excludes defects resulting from improper handling, storage, installation, acts of God, fire, vandalism or civil disturbances. Purchaser must notify Chroma-Q in writing within 14 days of noticing the defect. This warranty excludes field labour or service charges related to the repair or replacement of the product.

The warranty contained herein shall not extend to any finished goods or spare parts from which any serial number has been removed or which have been damaged or rendered defective (a) as a result of normal wear and tear, wilful or accidental damage, negligence, misuse or abuse; (b) due to water or moisture, lightning, windstorm, abnormal voltage, harmonic distortion, dust, dirt, corrosion or other external causes; (c) by operation outside the specifications contained in the user documentation; (d) by the use of spare parts not manufactured or sold by Chroma-Q or by the connection or integration of other equipment or software not approved by Chroma-Q unless the Customer provides acceptable proof to Chroma-Q that the defect or damage was not caused by the above; (e) by modification, repair or service by anyone other than Chroma-Q, who has not applied for and been approved by Chroma-Q to do such modification, repair or service unless the Customer provides acceptable proof to Chroma-Q that the defect or damage was not caused by the above; (f) due to procedures, deviating from procedures specified by Chroma-Q or (g) due to failure to store, install, test, commission, maintain, operate or use finished goods and spare parts in a safe and reasonable manner and in accordance with Chroma-Q's instructions (h) by repair or replacement of engines without factory training.

The warranty contained herein shall not apply to finished goods or spare parts which are sold "as is", as "second-hand", as used", as "demo" or under similar qualifications or to Consumables ("Consumables" is defined as any part(s) of goods or part(s) for use with goods, which part(s) of goods or part(s) for use with goods are consumed during the operation of the goods and which part(s) of goods or part(s) for use with goods require replacement from time to time by a user such as, but not limited to, light bulbs).

The warranty contained herein shall not apply, unless the total purchase price for the defective finished goods or spare parts has been paid by the due date for payment.

The warranty contained herein applies only to the original purchaser and are not assignable or transferable to any subsequent purchaser or end-user.

This warranty is subject to the shipment of the goods, within the warranty period, to the Chroma-Q warranty returns department, by the purchaser, at the purchasers expense. If no fault is found, Chroma-Q will charge the purchaser for the subsequent return of the goods.

Chroma-Q reserves the right to change the warranty period without prior notice and without incurring obligation and expressly disclaims all warranties not stated in this limited warranty.

Disclaimer

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Chroma-Q products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent. Chroma-Q sole warranty is that the product will meet the sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

Chroma-Q reserves the right to change or make alteration to devices and their functionality without notice due to our on going research and development.

The Chroma-Q ShowCom Beltpack has been designed specifically for the audio industry. Regular maintenance should be performed to ensure that the products perform well in the entertainment environment.

If you experience any difficulties with any Chroma-Q products please contact your selling dealer. If your selling dealer is unable to help please contact support@chroma-q.com. If the selling dealer is unable to satisfy your servicing needs, please contact the following, for full factory service:

Outside North America:

Tel: +44 (0)1494 446000

Fax: +44 (0)1494 461024

support@chroma-q.com

North America:

Tel: 416-255-9494

Fax: 416-255-3514




support@chroma-q.com

For further information please visit the Chroma-Q website at www.chroma-q.com.

Chroma-Q and ShowCom are trademarks, for more information on this visit www.chroma-q.com/trademarks.

The rights and ownership of all trademarks are recognised.

Safety Precautions

	<p>DO NOT modify the ShowCom Beltpack.</p>
	<p>DO NOT connect the ShowCom Beltpack with non-approved headsets or Control Stations.</p>
	<p>DO NOT use the ShowCom Beltpack in the rain or in damp situations.</p>
	<p>TURN DOWN the volume before plugging the headset in or placing the headset over your ears</p>
	<p>DO NOT operate heavy machinery while wearing the headset.</p>
	<p>To prevent possible hearing damage DO NOT LISTEN AT HIGH VOLUME LEVELS FOR LONG PERIODS</p>

Compliance

This product conforms to the following standards:

Standards
IEC55103-1 (Emission)
IEC55103-2 (Immunity)
IEC60065 (Safety)

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1. Product Overview

The Chroma-Q ShowCom is a closed circuit headset intercom system which provides clear two-way communications even in high noise environments. A basic ShowCom system consists of a master station connected to a number of remote belt packs.

ShowCom components are interconnected with standard two-conductor shielded micro-phone cable fitted with three-pin XLR style connectors. One wire in the cable carries DC power from the master station to the remote belt packs; the other wire carries audio signals and superimposed call signals. The cable shield acts as the common ground-return.

The ShowCom cable transmission system is fully compatible with industry-standard headset intercom systems, allowing master stations and belt packs to be freely interchanged with other brand components without degrading performance.

2. Equipment Description

1. Microphone Button

Press this button to activate and deactivate the local headset microphone. This button glows green when the microphone is active.

2. Call Button

Press to signal other people on the system that may not be wearing their headsets. This button also flashes red when another user on the system presses their call button.

3. Volume Control

Adjust this control to set the level of the sound in the local headset.

4. Link Connectors

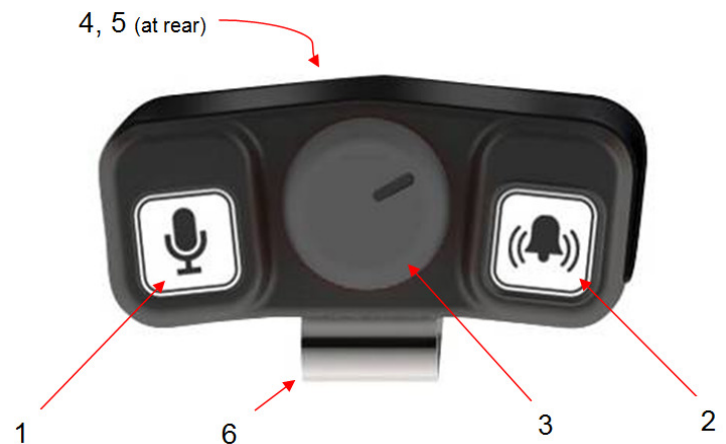
The 3 pin connectors are used to link this ShowCom Beltpack to other equipment in the communications system.

5. Headset Connector

The 4 pin connector is where the headset is plugged in.

6. Belt Clip

Use the clip provided to secure the ShowCom Beltpack to your belt.



3. Connections

The ShowCom and compatible communications systems use 3 pin shielded microphone cables for all interconnecting links. Only one power source (usually a Master) should be used in a system.

Ensure all plugs are firmly seated in their sockets with the latches engaged. If possible make all connections before switching the power to the master station on - making connections while the power is on may disrupt other users and/or create clicks, pops, buzz, or other extraneous sounds.

4. Operation

Once the system has been plugged in and switched on, both the Call and Microphone switches will glow blue indicating power is available. Turn the volume control to minimum (fully anticlockwise) before putting the headset on.

Slowly increase volume by turning the control clockwise. If there is signal present, for example there is program signal or a conversation is taking place, adjust the control until a comfortable level is achieved. If there is no signal present, turn the volume

control back down, press the microphone switch to turn the headset mic on, then speak normally as the volume level is increased until a comfortable level is achieved. Turn off the microphone.

The volume level may require adjustment over time as more users come on line or the ambient noise level changes. Excessive headphone level should be avoided. To prevent possible hearing damage do not listen at high levels for long periods of time.

The ShowCom system is a party line system, which means all users in the system can hear the input from all open mics. For this reason:

- Leave the microphone switched off unless required.
- Ensure the microphone is turned off when the headset is taken off or the ShowCom Beltpack is unplugged from the system.

Press the call switch to attract the attention of other users in the system who may not have their headphones on.

5. Disconnecting the Unit

Turn off the microphone and take the headphones off before disconnecting the ShowCom Beltpack. If possible switch power off to the system master station before making any disconnections. Firmly press the release buttons to remove plugs from sockets.

6. Troubleshooting

Troubleshooting is a process of elimination. First, rule out the other field factors (i.e. bad connections, faulty cables and power supplies). For technical support and/or parts, please contact your selling dealer or the offices listed in this manual.

Symptom	Possible Cause	Solution
ShowCom Beltpack totally dead eg switches do not illuminate, no sound in the headsets, and no response to button presses	System power off	Check Master power switch
	Mains power failure, power turned off at wall socket or disconnected	Check connections of Master
	Disconnection/not plugged in	Check connections between Master and beltpack
	Faulty cable or other equipment in the system	Disconnect stations from master until the system works
	Faulty Master	Repair/replace
	Faulty ShowCom Beltpack	Repair/replace
ShowCom Beltpack mic keeps switching off	Faulty cable or Master	Repair/replace
	Operator at Master pressing "Remote mic disable" switch	Liaise with operator of Master
No sound in headset	Volume turned down	Turn up volume
	No one talking	Start a conversation
	Faulty headset	Swap with another set
	Faulty cable	Repair/replace
Distorted sound	Volume too high	Turn volume down
	Faulty headset	Replace headset. Avoid single-ear headsets
	Ambient noise level too high	Turn unused mics off Relocate operator position
	Users talking too loudly	Liaise with other users

7. Cleaning & Maintenance

To keep the ShowCom Beltpack clean use a mild detergent and water with a soft cloth or paper towel, taking care to avoid water entering the units. There are no user-serviceable parts inside.

8. Technical Data & Specifications

8.1 Mechanical

Product Code	CHSCBP1
Dimensions	98mm (W) x 110mm (H) x 55mm (D)
Material	Aluminium + ABS poly
Weight	330g

8.2 Electrical

Supply	24-32VDC, 100mA max
Line Signal Level	1mA/V
Microphone Type	Dynamic
Headphone Impedance	32-400 ohms
Headphone Output Power	1.0W/32ohms, 650mW/200ohms
Compatibility	Clearcom RS series

8.3 Link Connector

Pin	Function
1	Shield/Ground
2	Power
3	Audio/Call

8.4 Headset Connector

Pin	Function
1	Mic Cold/Shield
2	Mic Hot
3	Phones -
4	Phones +