PRODUCT 2015 CATALOG



WWW.POINT-SOURCEAUDIO.COM





### OUR COMPANY • •

Point Source Audio is a solution based design, engineering, and manufacturing company in the audio industry. With over 60 years of combined professional audio industry experience, the PSA product designers approach every product detail with a depth of understanding that results in ease, convenience, and efficiency in design. Since 2002 Point Source Audio has developed, engineered and manufactured transducer products for companies under a variety of brands. While continuing to do this we are also focused on developing products under the Point Source Audio brand affording our



customers a streamlined path for purchasing high value products.

We sell our products exclusively through a network of high caliber resellers, contractors and distributors throughout the world. It is our goal to provide performance based products at great prices with the very best customer service and support. In 2010, Point Source Audio was appointed the Master Distributor for Digigram for all the Americas. Among the many products available through Point Source Audio are the world renowned brand of Digigram sound cards, IP audio and video codecs, and Ethersound audio transport technology.

page 4
page 5
page 6
page 7
page 8
page 10
page 12
page 13
page 15

## The Original "Unbreakable Boom"



## Best Microphone Award Winner



# **UNlike** the Others

Miniature mics with an uncommon combination of tiny and tough:



UNbreakable Boom Boom bends 360° without breakage

**UN**complicated Connectors



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**UNsinkable Sound** Water, sweat, and makeup proof



**UN**matched SPL Rated at 148dB max SPL



Introducing the **SERIES8** collection of headset, earworn and lavalier mics. www.point-sourceaudio.com

Interchangeable X-connectors

## Reviews by the Audio Experts







### "Keep these on your 'A' list"

"Over the past few years, Point Source Audio has gained a reputation for supplying tough, good-sounding miniature microphones in headset, earworn and lavalier styles. Now, with its new flagship SERIES8 line, the company is poised to take things up a notch—or two. As mentioned earlier, the SERIES8 mics are designed for vocal performance. Models optimized for spoken word application are also offered, but the SERIES8 capsules are intended for wide, response/wide dynamic range use such as singing, which can present an exceptionally demanding source to any microphone, let alone a miniature transducer."

# "I didn't really need any EQ at all for the mic to sound fantastic."

"There's been a lot of progress on the miniature microphone front, highlighted by a steady stream of new models from companies like Point Source Audio. I recently checked out three models in the company's SERIES8, including the CR-8L cardioid lavalier, the CO-8WS omnidirectional earworn, and the CO-8WD omnidirectional dual-ear headset. All are capable of handling the higher sound pressure levels of singing performers, with the omni models designed to be moisture and makeup proof (they carry an IP57 waterproof rating). "

# "And that "unbreakable boom" isn't far from the truth."

"The earworn models adjust for secure mounting and the flexible boom can be easily adjusted to suit. The boom length (between base of ear and capsule) is about 3.25 inches, which was fine for most people, but a bit short for performers with larger heads. The headset models offer a much wider range of adjustment and are quite secure, even with the most active performers. The headset earpieces swivel flat for storage and are released by a slight 1/4-inch tug to lock them in place. And that "unbreakable boom" isn't far from the truth. I couldn't believe how much torture these could take without a hitch."

# Microphone Comparison Chart

		Performanc	e Vocals	Optimize	ed Sp
			-		
		Omni	Cardioid	Omni	C
		CO-8W	CR-8	CO-6	CO-
PREMIUM FEATURES					
Max SPL	•))	148dB SPL	135dB SPL	125dB SPL	125dB
Super Flex Boom	360	•	•	•	
Waterproof	<u>_</u>	•			•
X-Connectors	¢	•	•		
STYLE OPTIONS					
Headset	Ć	•	•		
Earset KIT	R	•	•	•	•
Earworn	9	•	•	•	•
Lavalier		•	•		
Wearing Placement		57	57		57
Color Options: Beige,	Brown, Black				
SPECIFICATIONS					
Element		Back Electret Condenser	Back Electret Condenser	Back Electret Condenser	Back Electret Condenser
Pattern		Omnidirectional	Cardioid	Omnidirectional	Omnidirectiona
Frequency		20Hz ~ 20kHz	160Hz ~ 14kHz	40Hz ~ 17kHz	40Hz ~ 17kHz
Sensitivity for Earworn &	Headsets	-43dB 1V/Pa (Nominal Sensitivity ± 3dB at 1kHz)	-50dB 1V/Pa (Nominal Sensitivity ± 3dB at 1kHz)	-47dB 1V/Pa (Nominal Sensitivity ± 3dB at 1kHz)	-47dB 1V/Pa (Nominal Sens ± 3dB at 1kHz
High Sensitivity for Lava Low Sensitivity for Laval		-34dB 1V/Pa (CO-8WL) -43dB 1V/Pa (CO-8WLo) (Nominal Sensitivity ± 3dB at 1kHz)			
Output Impedance		1400Ω ± 30% (at 1000 Hz)	5000Ω ± 30% (at 1000 Hz)	$2,000\Omega \pm 30\%$ (at 1kHz)	2,000Ω ± 30% (at 1kHz)
Operating Voltage		1 ~ 10V	1 ~ 10V	1.5 ~ 10VDC	1.5 ~ 10VDC
Cable Length		4 ft .077 in. + connector	4 ft .077 in. + connector	4 ft 2 in. + connector	4 ft 2 in. + connector
Net Weight		0.6 oz	0.6 oz	0.6 oz	0.6 oz
Maximum SPL		148dB SPL	135dB SPL	125dB SPL	125dB SPL
Standard Accessories		Windscreen, body clip, storage box	Windscreen, body clip, storage box	Windscreen, body clip, storage box	Windscreen, bo clip, storage bo

## Microphone Storage Case

# CO-PCH

## **NEW!**



## MODEL NO: CO-PCH

This custom designed case is tailor-fit for your Point Source Audio microphones. Its efficient interior pockets can store up to four of your headset, earworn, and lavalier mics. An attractive accessory that will keep mics organized and save space!

### **DESCRIPTION** • •

Point Source Audio microphones are all shipped in their own custom box with magnetic lid, but when you need a little more for travel or to store multiple microphones in an efficient space, try this handy case. PSA headset microphones fold flat, so even they can be easily tucked in this case along with your earworn and lavalier mics.

Two interior pockets safely store up to four microphones. Compatible with all Point Source Audio microphones. Color available in "Obviously Orange" to help you quickly locate your microphones. Dimensions: 5.75" round x 1.5" tall.



# SERIES8 for Performance Vocals

# **CR-8**

### **DESCRIPTION** • •

The SERIES8 cardioid collection is offered in 3 popular styles: headset, earworn, and lavalier. The cardioid pick up pattern is ideal in applications when there is more than one mic being used, in live performances, and in some recording situations. A unique benefit of the SERIES8 cardioid headset and earworn microphones is that the capsule is especially miniaturized and there is no need to force the mic directly in front of the mouth as with other cardioid microphones. The boom of the microphone can sit comfortably at the corner of the mouth so an unobtrusive appearance is easily achieved. Both the headset and earworn mics feature a boom bendable beyond 360°. Each microphone includes one Interchangeable X-Connector for termination to your wireless system.

### ITEM NUMBER: CR-8D-XXX-XX ITEM NUMBER: CR-8S-XXX-XX ITEM NUMBER: CR-8L-XXX-XX

### **DIRECTIONAL PATTERN** • •

CR - Cardioid

### X-CONNECTOR OPTIONS (XXX) • •

-XAK AKG

-BE Beige

-XAT Audio-Technica -XBY Beyerdynamic

-XLE Lectrosonics

COLORS (XX) • •

-XMP MiPro -XSD Sony DWT-B01

-XSE Sennheiser

-BL Black

- -XLEw Lectrosonics-waterproof -XSH Shure, Line 6
  - -XSK Sennheiser SK, Zaxcom
  - -XTX Telex







Boom	135dB	Interchangeable
Bends 360°	max SPL	X-Connector
360°	•)))	¢

-BR Brown



### POLAR RESPONSE • •





## SPECIFICATIONS • •

Element:	Back Electret Condenser
Pattern:	Unidirectional, cardioid
Frequency:	160Hz ~ 14kHz
Sensitivity:	-50dB 1V/Pa (Nominal Sensitivity ± 3dB at 1kHz)
Maximum SPL:	135dB SPL
Output Impedance:	5000 $\Omega$ $\pm$ 30% (at 1kHz)
<b>Operating Voltage:</b>	$1 \sim 10 \text{ V}$
Cable Length:	4ft .077in. + connector
Net Weight:	0.6 oz
Colors:	Beige, Brown, or Black
Connector Types:	TA3F, TA4F, lockable 3.5mm, Hirose, Lemo-style
Boom Flexibility:	Bendable to 360°
Ear Placement:	Left/Right
Included Accessories:	Windscreen, cable clip, storage box

# SERIES8 for <u>Performance</u> Vocals

# CO-8W

### **DESCRIPTION** • •

The SERIES8 omnidirectional collection is offered in 3 popular styles: headset, earworn, and lavalier. The omnidirectional pattern assures ease in fitting with a natural vocal sound well suited in low to moderate noise environments. Its circular pick up pattern adapts exceptionally to a wide array of mic'ing applications. All the SERIES8 omni microphones boast of 148dB max SPL, IP57 waterproof rating against water, sweat and makeup; and our super bendable boom is "unbreakable" up to 360° bending over the lifetime of the product. Each microphone comes with one X-Connector of your choosing for termination to your wireless system. The X-Connectors have a threaded screw connection so they are simple to remove, but remain secure while in use.

#### ITEM NUMBER: CO-8WD-XXX-XX ITEM NUMBER: CO-8WS-XXX-XX ITEM NUMBER: CO-8WL-XXX-XX ITEM NUMBER: CO-8WLo-XXX-XX

### **DIRECTIONAL PATTERN** • •

### **CO** - Omnidirectional

#### X-CONNECTOR OPTIONS (XXX) • •

-XAK AKG -XAT Audio-Technica

-**XBY** Beyerdynamic -XLE Lectrosonics COLORS (XX) • • -BE Beige

-BR Brown

-XMP MiPro -XSD Sony DWT-B01 -XSE Sennheiser

-XLEw Lectrosonics-waterproof -XSH Shure, Line 6 -XSK Sennheiser SK, Zaxcom

-XTX Telex

Boom

Bends 360°

360







### FREQUENCY RESPONSE • •



-BL Black

### POLAR RESPONSE • •





## SPECIFICATIONS • •

Element:	Back Electret Condenser
Pattern:	Omnidirectional
Frequency:	20Hz ~ 20kHz
Sensitivity:	-43dB 1V/Pa -34dB 1V/Pa (CO-8WL) (Nominal Sensitivity ± 3dB at 1kHz)
Maximum SPL:	148dB SPL
Output Impedance:	1400 $\Omega$ ± 30% (at 1kHz)
Operating Voltage:	1 ~ 10 V
Cable Length:	4ft. 077in. + connector
Net Weight:	0.6 oz
Colors:	Beige, Brown, or Black
Connector Types:	TA3F, TA4F, lockable 3.5mm, Hirose, Lemo-style
Boom Flexibility:	Bendable to 360°
Ear Placement:	Left/Right
Included Accessories:	Windscreen, cable clip, storage box

## Optimized Speech Microphones

# **C(O)**=6

### **DESCRIPTION** • •

The CO-6 earset mic features speech optimized characteristics at a maximum 125dB SPL, but includes all the premium attributes that come with the celebrated "unbreakable boom". The CO-6 Earworn Microphone is designed for vocal reinforcement for church liturgy, singing, aerobics instruction, lecturing, sports-casting and other applications that require high quality vocal pick up in a hands-free environment. The boom life is prolonged with the enhanced durability of the completely bendable boom. The convenient placement near the mouth greatly reduces noise from wind and clothing. Additionally, its distinguishing clarity in close-talk operation and excellent gain before feedback make it suitable for applications where higher degrees of speech intelligibility are desired.

### ITEM NUMBER: CO-6-KIT-XX-XX ITEM NUMBER: CO-6-XX-XX

### **DIRECTIONAL PATTERN** • •

CO- Omni

### WIRELESS CHOICES (XX) • •

-AK	AKG
-AT	Audio-Technica
-MP	MiPro

-SE Sennheiser -**TX** Telex

-SH Shure or Line 6

### COLORS (XX) • •

-BE Beige

-BL Black

### FREQUENCY RESPONSE • •



### POLAR RESPONSE • •

CO-6



180

### SPECIFICATIONS • • El

Element:	Back Electret Condenser
Pattern:	Omni-directional
Frequency:	40Hz ~ 17kHz
Sensitivity:	-47dB 1V/Pa (Nominal Sensitivity ± 3dB at 1kHz)
Maximum SPL:	125dB
Output Impedance:	$2,000\Omega \pm 30\%$ (at 1kHz)
<b>Operating Voltage:</b>	1.5V ~ 10VDC
Cable Length:	4ft. 2in. + connector
Net Weight:	0.6 oz
Colors:	Beige or Black
Connector Types:	TA3F, TA4F, lockable 3.5mm, Hirose
<b>Boom Flexibility:</b>	Bendable to 360°
Ear Placement:	Left/Right
Included Accessories:	Windscreen, cable clip, storage box







6dB/Div

# Optimized Speech Microphones

# CO-5W

## **DESCRIPTION** • •

The CO-5W waterproof microphone is a durable earworn microphone with flexible boom designed for vocal reinforcement. Moisture, sweat and stage makeup have met their match with the water protected element of this microphone. This waterproof / sweatproof microphone defends against all types of challenging stage and weather conditions. Sweating from humidity? Splashed by seals? Drenched from rain? The CO-5W waterproof microphone will not let you down. The CO-5W has an impressive Ingress Protection (IP) Rating of 57, whereas the first digit (5 out of 6) references particle protection, and the second digit (7 out of 8) references liquid protection. The CO-5W waterproof microphone has an omni-directional polar pattern that allows a full 360 degree pick up of sound providing a natural blend of voice and ambience.

### ITEM NUMBER: CO-5W-KIT-XX-XX ITEM NUMBER: CO-5W-XX-XX

### **DIRECTIONAL PATTERN** • •

CO- Omni

### WIRELESS CHOICES (XX) • •

-AK AKG -AT Audio-Technica -MP MiPro

-SE Sennheiser -TX Telex

-SH Shure or Line 6

### COLORS (XX) • •

-BE Beige







### FREQUENCY RESPONSE • •



### POLAR RESPONSE • •

#### 1 kHz Polar Response



### **SPECIFICATIONS** • •

Element:	Back Electret Condenser
Pattern:	Omnidirectional
Frequency:	40Hz ~ 17kHz
Sensitivity:	-47dB 1V/Pa (Nominal Sensitivity ± 3dB at 1kHz)
Maximum SPL:	125dB
Output Impedance:	$2,000\Omega \pm 30\%$ (at 1kHz)
<b>Operating Voltage:</b>	1.5V ~ 10VDC
Cable Length:	4ft. 2in. + connector
Net Weight:	0.6 oz
Colors:	Beige
Connector Types:	TA3F, TA4F, lockable 3.5mm, Hirose
Boom Flexibility:	Bendable to 20°
Ear Placement:	Left/Right
Included Accessories:	Windscreen, cable clip, storage box

## Basic Voice Microphones

# CO-3

### **DESCRIPTION** • •

The CO-3 Microphone is our entry-level earworn microphone designed for speech reinforcement for church liturgy, lecturing, and other applications that require good quality vocal pick up in a hands-free environment. It has an omnidirectional polar pattern which allows a full 360 degree pick up of sound providing a natural blend of voice and ambience. The design of the CO-3 earworn microphone lends itself to reduced speech produced "popping sounds" and voice overloads in close mic applications and the convenient placement near the mouth greatly reduces noise from wind and clothing. Its distinguishing clarity in close talk operation and excellent gain before feedback make it suitable for applications where higher degrees of speech intelligibility are desired.

### ITEM NUMBER: CO-3-KIT-XX-XX ITEM NUMBER: CO-3-XX-XX

#### **DIRECTIONAL PATTERN** • •

CO- Omni

#### WIRELESS CHOICES (XX) • •

-AK AKG -AT Audio-Technica -MP MiPro -**SE** Sennheiser -**TX** Telex

-SH Shure or Line 6

#### COLORS (XX) • •

-BE Beige -BL Black

### FREQUENCY RESPONSE • •



### POLAR RESPONSE · ·









### **SPECIFICATIONS** • •

Element:	Back Electret Condenser
Pattern:	Omnidirectional
Frequency:	50Hz ~ 16kHz
Sensitivity:	-44dB 1V/Pa (Nominal Sensitivity ± 3dB at 1kHz)
Maximum SPL:	116dB
Output Impedance:	1500Ω (at 1kHz)
Operating Voltage:	1.5V ~ 10VDC
Cable Length:	3ft. 11in. + connector
Net Weight:	0.28 oz
Colors:	Beige or Black
Connector Types:	TA3F, TA4F, lockable 3.5mm, Hirose
Boom Flexibility:	Fixed/Not bendable
Ear Placement:	Left
Included Accessories:	Cable clip, storage box

## Intercom Headset—**NEW!**



## Model No: CM-i3-XX

### **Dual In-Ear Intercom Headset with Dynamic Noise-Cancelling Boom Microphone**

The CM-i3 Intercom Headset's one-of-kind design utilizes in-earphones for lightweight comfort and to provide excellent noise isolation in moderate to high noise environments. This patent-pending slim-line design allows for incredible ease in switching between three listening modes: left, right, or left and right to create the desired audio mix. The in-earphones are modular for convenient service replacement or to personalize with your own earphones. At a weight of only 2 ounces, it is a mere fraction of other binaural headsets.

Includes EM-3 earphones and microphone assembly, 3 size eartips, windscreen w/ o-ring, and custom storage case.

- Modular design with replaceable in-earphones
- Improves noise isolation
- Eliminates fatigue

- Kink-free cable design
- Weighs only 2 oz.
  - Even works with iPhones and iPads

#### **CM-i3** Accessories

	CM-iX-XX	EM-3
	Headset microphone assembly only. Includes cable wrap with earphone installation tool, and windscreen with o- ring. <b>Earphones not included</b> .	EM-3 Earphones terminated with 3.5 mm mini connector
	CM-CSE	CM-EXT
() #M	Intercom headset storage case	Expandable coiled cable with 4-pin male XLR - 4 pin female XLR. 2 ft. retracted / 10 ft. extended
	CM-WSN	CM-CAB-KIT
0	Windscreen with o-ring for CM-i3	Cable wrap with earphone installation tool
000	6-ETP-X	СМ-ВСР
000	3 sets eartips for EM-3 earphones. Specify one size: small, medium, or large	Belt clip accessory for XLR connector

## Intercom Headset

# CM-i3

### **DESCRIPTION** • •

The CM-i3 is the world's first modular intercom headset. This intercom headset has a patent-pending slim-line design that allows for three listening modes. Rather than having to remove the entire headset to check environmental sounds or interact with others, simply remove one or both earphones to exit the listening mode or monitor a mix of feed audio and surrounding acoustics. For the ultimate in modularity, the CM-i3 intercom headset is designed using Point Source Audio's pro performance EM-3 in-earphones, but users will have the capability of switching out the supplied earphones with in-earphones of their own choice—if desired. The swappable in-earphones for audio quality and greatly improves the product's serviceability and life. The CM-i3 intercom headset is designed for concert venues, front of house operations, multimedia production, and other professional trades relying on convenient two-way communications.



The CM-i3 Intercom Headset offers a revolutionary combination of noise-isolation, lightweight comfort and earphone modularity.

#### FEATURES:

- •• In-ear design eliminates fatigue
- •• 12dB off-axis noise rejection
- •• Weighs only 2 oz.
- •• Replaceable earphones
- •• Kink-free cable design
- •• Even works with iPhones and iPads
- •• PATENT PENDING

#### MODEL NO:

CM-i3-4F – equipped with 4-pin female XLR for all Clear-Com compatible systems
CM-i3-4M – equipped with 4-pin male XLR for RTS mono systems
CM-i3-5F – equipped with 5-pin female XLR for Telex systems
CM-i3-5Mm – equipped with 5-pin male XLR for mono Telex TR700/800 & TR80N systems
CM-i3-5Ms – equipped with 5-pin male XLR for all stereo RTS systems
CM-i3-PH – equipped with 3.5 mm plug for Riedel iPhone and iPad intercom apps

### **EARPHONE SPECIFICATIONS** • •

Speaker type:	Single driver ported
Sensitivity:	120dB SPL@1VRMS (at 1 kHz)
Impedance:	32Ω
Color:	Silver housing with gold band, black cable
Cable length (total):	1.2 Meters
L/R cable:	50cm
Input connector:	3.5mm
Transducer housing:	Metal
Accessories:	3 sizes of eartips

## MICROPHONE SPECIFICATIONS • •

С

# Microphone Accessories

IODEL NO.		TITLE DESCRIPTION
СО-РСН	NEW!	Premium storage case for miniature microphones. Conveniently stores up to 4 microphones. Color: Orange
R-DMC-XX		Reversible (left or right) dual ear mic clip for earworn microphones. Colors: BE—Beige BL—Black
R-DMH-XX		Replacement dual headset frame for SERIES8 Headset microphones. Standard size. Colors: BE—Beige BL—Black
R-DMHs-XX	NEW!	Replacement dual headset frame for SERIES8 Headset microphones. Small Size. Colors: BE—Beige BL—Black
6-WSN-XX		6-Pack windscreens for microphones. Colors: BE—Beige BL—Black
6-WSNX-XX	NEW!	6-Pack windscreens optimized for SERIES8 Cardioid microphones. Colors: BE—Beige BL—Black
S-CLIP-XX		Control clips for SERIES8 headset microphones. Set of 4. Colors: BE—Beige or BL—Black
B-Clip		Body clip for microphones.
X-CON-EXT	NEW!	SERIES8 microphone extension cable. 2 ft. extended.

## Wireless Terminations

## X-Connectors for SERIES8 Microphones (Replaceable)



## Loose Connectors (for Hardwired Terminations)

	CON-AK	CON-AT	
	3-pin mini connector	Locking Hirose 4-pin connector	
	CON-LE	CON-MP	
and the second sec	5-pin mini connector	4-pin mini locking connector	
•	CON-SE	CON-SH	
	3.5mm locking connector	4-pin mini connector	
	CON-SK	CON-XLR	
	Lemo-style 3-pin connector	Phantom powered preamp for Shur terminated PSA mics	

### Pricing and information contained in this Price Guide is subject to change without notice. Please contact Point Source Audio Sales with questions or comments. sales@point-sourceaudio.com



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