



WIRELESS
COMMUNICATION
EXPERTS

RADIO
ACCESSORIES
PRODUCT
CATALOG

DOWN TO THE WIRE.

ES • TEMPLE TRANSDUCER HEADSETS • SURVEILLANCE KITS
AKER MICROPHONES • FINE TACTICAL WIRELESS HEADSETS
HEADSETS • AUDIO ACCESSORIES • SCBA COMMUNICATIONS
ES • DUPLEX HANDS FREE WIRELESS HEADSETS • SKULL MIC
RADIO BLUE TOOTH ADAPTERS • LIGHTWEIGHT HEADSETS
CANCELING MICS • HARD HAT COMPATIBLE HEADSETS • BLUE
ONE CONNECTION HEADSETS • QUICK DISCONNECT • WIRELESS
T MOUNT HEADSETS • FOOTBALL COACHING HEADSET SYSTEMS

Cobalt AV brings you the newest, most innovative communication products available, always with value and versatility in mind. Established in 2003, as the house brand of ComtronICS Inc., Cobalt AV offers the *most complete selection of 2-way radio audio accessories and peripherals from a single source*. Advantageously located in Lexington, KY, Cobalt AV products generally ship with quick 2-day UPS Ground delivery to much of the eastern and central United States. We ship to Canada every day. *Learn more about us on page 51...*

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WIRELESS COMMUNICATION SPECIALISTS
A Division of ComtronICS Inc.

WIRELESS INTERCOM: Crystal Clear Headset Intercom System

Critical job communication has become lot more portable and affordable with HME's DX-series spread spectrum digital wireless headset intercoms!

Now get crystal-clear digital voice "conversation"--all built into a super compact design for easy setup and operation. *Since this duplex "hot mic" technology allows simultaneous talking and listening among users, the term "conversation" is used instead of transmission to distinguish this from two-way radios.*

DX300

The **DX300** package was developed for football coaching. It is flexible, expandable and economical. In two-channel mode, the user selects which channel he or she talks on. There are two headset ports on the compact table top base station which has an "AA" battery backup compartment. The DX300 system allows 3 simultaneous wireless talkers per base in dual channel mode (or 4 talkers in single channel mode) with up to 15 users (listeners). By simply adding a **EB300** base expander module or daisy-chaining two or three **MB300** base stations with a simple modular connector cable, you can double or triple the number of talkers or users or increase areas of coverage. Interface with external 4-wire systems are possible.

BP300 belt packs with choice of headset or **WH300** wireless "all-in-one" headsets may be used. Each **BP300** and **WH300** come with 1 **BAT41** battery pack.



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HME

DX300ES

The **DX300ES** is our tactical wireless headset intercom since it adds contact closure relays allowing connection of a portable or mobile two-way radio. This is the only difference from the standard **DX300**. The function allows a team locally to converse privately and monitor two-way radio dispatch traffic plus the ability to use the "all" button on the belt pac or all-in-one headset to "push-to-transmit" message over the 2-way radio network. If multiple base stations are connected, users on one base or multiple bases can use the PTT function.

EB300

The **EB300** base station expansion module easily expands a **DX300** or **DX300ES** system by allowing an additional three **BP300** or **WH300** talkers at the same time in dual channel mode (or 4 additional talkers in single channel mode). This set-up allows up to eight workers to plug in and talk at once, with a substantial discount over purchasing a second **MB300** or **MB300ES** base station.

- Fast, easy set-up
- Superior sound quality
- Hands-free operation
- Link base stations to add talkers and users
- No frequency coordination
- 2.4 GHz license free ISM band
- Secure encrypted conversation
- Triple diversity--space, time and frequency
- Rugged ergonomic design
- Small, lightweight energy efficient portable units
- Up to 20 hour Li-Ion battery use life per charge
- Wide variety of headset choices including "all-in-one" headset
- Expandable and interface-capable base models
- Four talkers per base in single channel mode, three talkers per base in dual channel mode



EB300 base station extender doubles the number of headsets and headset talkers which may be used.

Perfect for many critical applications:

- SWAT/SRT/bomb/hostage negotiation
- Nuclear outage coordination
- Film and video crews
- Industrial production/maintenance
- Wireless for command vehicles
- Flight line
- Theatrical production
- Test facilities
- Emergency preparedness centers
- Pump/straying operations
- Corrugated machinery line
- Protective clothing communication
- Training & Plant tours
- Crane rigging
- Houses of worship
- Fire ground training
- Police training



PICTURED:
DX300 system including **MB300** base station, **WH300** base station, **WH300** "all-in one" headset, **BP300** belt packs, and several headset options. The **MB300ES** base station interfaces with two-way radios.

DX 300 WIRELESS HEADSET SYSTEM

The **DX300 Wireless Headset System** links you and your team in secure, two-way, hands-free conversation. Coupled with headsets from Cobalt and HME, you can improve communications, ensuring that all your hard work pays off!

Superior Sound Quality

DX300's digital technology offers superior sound clarity, so you can be sure your instructions are clearly heard above noise and general confusion. Rugged ergonomic design means your team will handle the rigors of even the toughest job.

Triple Diversity

Triple diversity--space, time, and frequency--operation for extreme multipath situation provides redundant communication that offers the most dependable system available. The strongest signal is selected from two different antennas, transmitted and received at two different times, on two different frequencies.

Easy to Use Headset System

With no buttons to fumble with, the **DX300** wireless headset system is easy to use and hassle-free. Compact, convenient headsets give you the freedom to do what you do best and not worry about whether equipment is functioning properly.

DX300 is easily expanded from a basic 4-man wireless headset system to a system to accommodate a staff of more than 20 — all in one cost-saving, performance-enhancing package. Choose between lightweight belt pack with choice of attached headset or the “all-in-one” wireless headset, or mix-and-match both.

The basic typical **DX300** package includes 4 wireless headsets and a base station supporting 2 wired headsets. The system can be set for either single channel, or 2 channel operation switchable on belt pack, or “all-in-one” headset.

Fast, Easy Setup

The **DX 300** takes only minutes to set up. There are no special startup procedures or complex antennas to worry about. And because there is no frequency coordination required, you can use this system virtually anywhere without losing communication due to local interference.



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COMPATIBILITY CHART

	BP200	BP210	BP300	WH200	WH210	WH300
DX100	X	X		X	X	
DX200	X	X		X	X	
DX210	X	X		X	X	
DX300			X			X
DX300ES			X			X

SYSTEM HIGHLIGHTS:

- Hands-free operation, conversational like a phone call
- Secure, encrypted communication (scanner proof)
- Flexible power options (AC and battery)
- Rugged ergonomic belt pack
- All-in-One wireless single ear headset
- FCC license free 2.4 GHZ ISM band
- No frequency coordination required
- Rechargeable lithium-ion batteries (cell phone battery size)
- Up to 20 hours battery life per charge

Tactical Wireless Systems, cont.



The compact DX100 wireless headset system supports up to 4 simultaneous headset talkers and up to 15 listening users, like all our base station systems.

With simplicity and economy in mind the DX base has no connections for expansion or interface. System is perfect for applications where there is no expansion in the number of "talkers" or interfacing with other systems is anticipated. The **DX100** wireless headset intercom system features a compact economical base station which is sealed for dust and moisture. Powered by 120 V AC or 12 VDC but also has 6 "AA" batteries for backup power. Supports up to 15 users and 4 "talkers" using any combination of **BP200** belt packs with headset choice, and/or **WH200** wireless "all-in-one" headsets. Two **BAT41** li-ion battery packs are included with each headset unit.

The DX200 19-inch rack mount base system offers the most expansion and interface options.

Capable of interface with 4-wire matrix intercoms, 2-wire intercoms, telephone interfaces or connection of multiple base stations, the DX200 is a flexible system for many applications. Each DX200 base station supports up to 15 users, using any combination of BP200 belt packs and choice of headset, as well as WH200 wireless "all-in-one" headsets. Wired intercom ports support Bosch Telex RTS, ClearCom and other brands two-wire and 4-wire matrix intercoms. Interface system to telephone with additional components. Increase number of talkers or expand coverage area by linking multiple base stations together.

DX210

DX210's base station has the same footprint and features as **DX200** base but adding dual (two) channel operation when used with **BP210** belt packs with headset or **WH210** wireless "all-in-one" headsets. **BP200** belt packs with headset and **WH200** wireless "all-in-one" headsets may be mixed and matched with **BP210** and **WH210** units. The **DX210** supports two separate two-wire and four-wire matrix channel interfaces. Like **DX300**, **DX210** supports 4 talkers in single channel and 3 talkers in dual channel modes.

System Specifications

RF frequency range: All band 2400-2383.5 MHz, low band 2401.9-2439.9 MHz, high band 2443.4-2481.4 MHz
Frequency response: 200 Hz-3.5 kHz
Distortion: <2%
RF sensitivity: -90 dBm with 10-3 BER
Temperature range: -4 to 131°F (-20 to 55°C) Typ.
Transmit/Receive type: Frequency-hopping spread spectrum
<2%, -90dBm with 10-3 BER
-4 to 131°F (-20 to 55°C) Typ spectrum (FHSS)
Modulation type: Gaussian filtered FSK, TDMA
Encryption: 64-bit RoHS compliant

Subscriber Specifications

Transmit power: 100 mW burst
Antenna: Internal
Mic input: Electret (except WH200/210/300)
Headset connector: Mini-DIN (except WH200/210/300)
Headset output: 160 mW into 32 ohms
Power requirements: BAT41 battery, 50-60 Mz or 12-14 VDC, or 6 AA batteries
Battery life: Hands-free Up to 14 hrs, PTT up to 20 hrs. with BAT41
FCC acceptance: Part 15 (no license required)

Base Station Specifications

Transmit power: 100 mW burst
TX & RX antenna: dipole
Mic input: Electret (not applicable on DX100)
Headset connector: Mini-DIN (DX200, DX300/ES)
Power requirements: 100 mW burst 1/2-wave, dual diversity
100- 240 VAC, 50-60 Mhz or 12-14 VDC on all models, plus 6AA (DX100 and DX300/ES)
FCC acceptance: Part 15 (no license required)



Most Cobalt headsets can be provided for use with DX-series belt packs. Note: Headset PTT switch is non-functional when used with a Belt Pack.





SIGNATURE HEADSETS

Cobalt muff headsets offer premium quality and features that rate them world class, with value in mind.

Our signature Cobalt blue “ecto-skin” coating provides a no glare finish with UV protection, acoustic baffling with a rubber-coat surface that rejects scratches and scuffs. Premium features include full flex boom, dome PTT (or mic mute) switch, dome volume control and high efficiency speakers. Each headset comes standard with comfort-fit foam ear seals, washable cloth ear covers and a mic windscreen. Various types of noise canceling mic are available as options, including **theCobra** technology mic.

Headsets are available in behind-head and over-head support versions as well as single ear and hard hat slot mount versions. Headset cords for portable radios or Cobalt fire truck intercoms attach and detach at ear cup for easy change-out. Headset and cord versions can be used with two-way portable and mobile radios, intercoms (wired & wireless), as well as cell and wireless phones.

We also offer the **BLUE-BT-TOP** Bluetooth headset adapter which can convert any Cobalt headset into wireless with any radio with attached Cobalt BLUE BT adapter connected to radio audio accessory connector. It also works with most radios and cell phones with built-in Bluetooth.

As an alternative to our signature premium Cobalt blue muff headsets, we have just introduced our high quality **Value Series** headsets, which features over-head, hard hat slot mount, and listen-only versions.

theCOBRA Noise Canceling Microphone

Rated among the best noise canceling microphones, **theCobra** cartridge can be added to any Cobalt “blue” headset. For the ultimate headset, add theCobra to our ANR active noise cancellation optioned headsets.

Dramatic Noise Reduction

TheCobra has an average 10 dB improvement over standard headset mics with a maximum of 30 dB improvement in average speech bandwidth.

The Best Speech Intelligibility

theCobra microphone enables crystal clear speech in 100+ dB noise. Improves intelligibility scores to 82% in noise levels of 105 dB compared to 72% intelligibility for standard microphone. Ideal for high noise environments, theCobra's noise rejection performance surpasses all other microphone technologies, and is particularly stark in high noise levels.

Noise Rejection takes a new shape

Patented noise cancellation technology rejects extraneous background noise. An acoustically based approach; theCobra accentuates the speaker's voice by concentrating it on the front port of a two-port microphone, while deflecting background noise from the back port.

Passive Noise Canceling Technology

No processor is required, so power requirements are low. Active noise canceling technology relies on creating an anti-noise signal to cancel out the noise in a signal. Since there is inherent overlap in frequencies between speech and noise, this results in speech signals often being identified as noise and vice versa. An observable consequence of this is distorted or garbled speech, and unsatisfactory noise cancellation. It also requires a power supply (typically, additional battery). Other electronic noise-canceling techniques use algorithms to identify a noise from a digital signal and to filter it out using digital filters. These techniques are also frequency dependent, which results in the same problems mentioned above. Available in preamped or non-preamped electret, or dynamic versions.

Microphone Specifications:

Sensitivity -35 dBVrms
Impedance 2,200 Ohms
Frequency 50-20,000 Hz
S/N ratio >70 dB
Mono sound

Using our acoustically based approach, theCobra accentuates the user's voice by concentrating it in the front of the microphone while deflecting the voice from the back port. The background noise is directed towards both ports to reduce noise vibration.

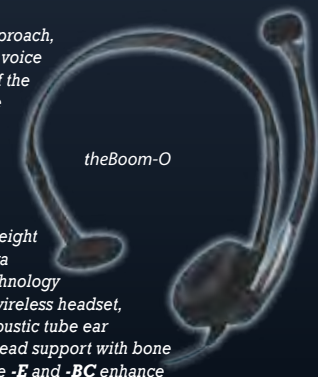


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Boom-O pictured. Other lightweight headset models feature theCobra noise canceling microphone technology include **theBoom-W** Bluetooth wireless headset, **-E** behind head support with acoustic tube ear speakers and **-BC** also behind head support with bone conduction listen audio. Both the **-E** and **-BC** enhance listening in noisy areas.

theCobra and theBoom are tradenames of Umevoice.



HEADSETS: Our Signature Blue Muff Series



BEHIND the HEAD

Wear with helmet, hardhat, logo cap.
24 dB NRR rated. Connect cord on right or left side.

- CH-20** Mic mute switch (yellow button)
- CH-21** PTT switch (red button)
- CH-31** Listen only (3.5 mm mono fixed audio cable)



HARD HAT

Attaches to side slots. Ear cups can be rotated to side when not in use.
Dual muff with 24 dB NRR.

- CH-12** Mic mute switch (yellow button)
- CH-13** PTT switch (red button)
- CH-32** Listen only (3.5 mm mono fixed audio cable)



OVER the HEAD

Very comfortable headband. Rotate mic boom for left or right side. 24 dB NRR rated.

- CH-10** Mic mute switch (yellow button)
- CH-11** PTT switch (red button)
- CH-30** Listen only (3.5 mm mono fixed audio cable)



SINGLE EAR

Secure fit with comfort.

- CH-15** Mic mute switch (yellow button)
- CH-16** PTT switch (red button)



VENTED

1 ear cup is vented with no speaker to allow listening to ambient noise.
Connect cord on right or left side.

- CH-40** Mic mute switch (yellow button)
- CH-41** PTT switch (red button)



LISTEN ONLY

Has coiled 3.5 mm mono audio cable.
Dual muff with 24 dB NRR rated

- CH-30** Dual overhead
- CH-31** Dual behind head
- CH-32** Dual hardhat slot



THROAT MICROPHONE

Dual muff, 24dB NRR rated, available in behind-head, hard hat slot mount or over-head styles. Throat mic features injection molded dual mic elements covering 2/3rds of the neck area with an adjustable cloth retainer strap.

NOTE ABOUT MICS:

Headsets normally come standard with non-amplified electret microphones when used with portable radio, wireless intercom or telephony devices. Pre-amped electret mics are provisioned when used with mobile radios and vehicle intercoms. Dynamic mics are also available.



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VALUE SERIES HEADSETS

BLUE-TOP HEADSET ADAPTER



1 YEAR
WARRANTY

VH-21 Behind-Head Dual Muff

Pit crew racing style dual muff headset. 23 dB NRR hearing protection with noise-canceling dynamic wire-style support boom microphone. Transmit PTT button on ear cup. 3.5 mm audio jack allows for 2nd audio device (scanner or MP3 player). Wear w/ helmet, hard hat, logo cap.

VH-21 Black, VH-21-GR Grey, VH-21-BL* Blue
Detachable radio interface cable sold separately.
Electret, pre-amped electret and pre-amped dynamic mic cartridges available.
*Dynamic wire boom only.



VH-11 Over-Head Dual Muff

Euro-look aviation style headset. 24 dB NRR hearing protection. Flexible electret boom microphone. Volume and transmit PTT button on ear cup. Adjustable padded over-head support for maximum comfort.

VH-11 Black VH-11-Y Yellow
Detachable radio interface cable sold separately.
General aviation cables also available.



VH-13 Hard Hat Slot Mount

Clips to most standard hard hat models with side slots. 24 dB NRR hearing protection with flexible electret boom microphone.

VH-13 Black VH-3-Y Yellow
Detachable radio interface cable sold separately.
Electret, pre-amped electret and pre-amped dynamic mic cartridges available.

VH-32 Hard Hat Mount Listen Only

Hard hat slot mount dual earmuff listen-only headphone (no microphone). 24 dB NRR hearing protection. Includes 3.5 mm to 3.5mm cable (suitable for connection to Cobalt Speaker Microphones).

VH-32 Black VH-32-Y Yellow

VH-32TM Hard Hat Mount Listen Only + Throat Mic + Tactical Switch

Hard hat slot mount dual earmuff listen-only headphone (no microphone) with throat mic and inline tactical PTT switch. 24 dB NRR hearing protection.

TVH-32-TM Black
TVH-32Y-TM Yellow



1 YEAR
WARRANTY

Bluetooth™

Our new Bluetooth **BLUE-TOP** Headset Adapter pairs with any device that uses standard Bluetooth headsets, INCLUDING CELL PHONES, and Cobalt **BLUE-BT** Radio Adapters!

BLUE-TOP also works with all Cobalt "blue" Muff Headsets, our Value Series Muff Headsets, and is additionally available as a custom wireless kit with our lightweight and tactical headsets.

The **BLUE-TOP** may also work with other brands of muff headsets.



SPECIFICATIONS:

● Operating Temp Range:	-20° to +50° C
● Weight:	140 grams
● Bluetooth Version:	v 2.1 + EDR
● Transmitted Power:	GFSK 5.37 dBm
● Rx Sensitivity:	8DPSK 4.55 dBm
● PTT Mode:	SPP
● Power Class:	2
● Average Range:	10 meters
● LED Display Indicator:	Dual color indicator
● Rechargeable Battery:	5 VDC, 330mAh
● Average Duty Cycle:	12 hours

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SPML-BLUE: Wireless Bluetooth Speaker Microphone

The **NEW** Cobalt **SPML-BLUE** is the Bluetooth-enabled version of our popular **SPML Remote Speaker Microphone**, which connects wirelessly to any of our Cobalt Radio Adapters, and is compatible with the optional Cobalt **BT-PTT** wireless Bluetooth PTT (sold separately).

FEATURES:

- Great sounding transmit and receive audio, just like the wired version!
- Compact size: measures only 3" H x 2" W x .6" D (excluding clip).
- Lightweight: weighs less than 2.5 ounces.
- Simple controls make operation easy!
- Integrated PTT button. To transmit, use either the PTT button on the side of the **SPML-BLUE** or on the Cobalt radio adapter.
- Also compatible with the optional Cobalt **BT-PTT** wireless Bluetooth PTT (sold separately).
- Long battery life: up to 11 hours active under typical operating conditions. USB wall charger included.
- Spring loaded metal reinforced clothing clip can be rotated 360°.
- Durable polycarbonate housing.
- Built-in earphone jack for additional privacy and security. Compatible with standard 3.5 mm earphone plug such as our **KLSH**, **KLEL**, or **KLSC**.
- Because receive audio volume is controlled using the radio's volume control, this product is not recommended for use with our **BLUE-MOBILE** series adapters that have fixed level receive audio.

Cobalt **KLSH-S3.5** ear kit shown with **SPML-BLUE**. Earphone sold separately.

BLUE-MIC: Bluetooth Surveillance Kit

Bluetooth Lapel Microphone technology has arrived!

The new **BLUE-MIC** delivers a full 12 hour shift talk time (typical), easy pairing, no connectivity loss, and a fully functional PTT.

12-Hour Talk Time!

Other features include:

- Volume control
- USB charging port
- Directional mic (sensitive to a whisper)
- Clothing Clip
- 3.5 mm ear kit pack (listen only ear kits sold separately)
- Rechargeable/replaceable battery

And most importantly:

A strategically placed pairing light on the back side of the module!

The **BLUE-MIC** can be paired with our **BLUE** 2-way radio adapters and other BT devices, including mobile phones.



BLUE-MIC BT surveillance kit includes acoustic tube ear speaker for listening. Other ear kits available.



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Cobalt **BLUE-MOBILE BT** newly upgraded kits allow you to use a compatible wireless Bluetooth headset or other audio accessory with a **MOBILE** two-way radio. The new kits eliminate the cigarette plug adapter and now provide Receive and Transmit audio. As before, all adapters feature an integrated PTT on the adapter, but are also available with optional wired foot switch or **BLUE-PTT** wireless switch.



Foot Switch



BLUE-PTT

BLUE-MOB-ICI

Bluetooth Adapter Kit for ICOM Mobile radios. USES BOTH FRONT (Mic) AND REAR (Speaker) jacks. Compatible with IC-F110, IC-F110S, IC-F111, IC-F111S, IC-F121, IC-F121S, IC-F1610, IC-F1710, IC-F1721, IC-F1721D, IC-F1810, IC-F1821, IC-F1821D, IC-F210, IC-F210S, IC-F211, IC-F211S, IC-F221, IC-F221S, IC-F2610, IC-F2710, IC-F2721, IC-F2721D, IC-F2810, IC-F2821, IC-F2821D, IC-F320, IC-F320S, IC-F410S, IC-F420, IC-F420S, IC-F5011, IC-F5021, IC-F5022, IC-F5061, IC-F5062, IC-F510, IC-F5121D, IC-F521, IC-F6011, IC-F6021, IC-F6022, IC-F6061, IC-F6062, IC-F610, IC-F6121D, IC-F621, IC-F621TR, IC-F9511, IC-F9521.

BLUE-MOB-K60

Bluetooth Adapter Kit for Kenwood Mobile radios. USES BOTH FRONT (Mic) AND REAR (Speaker) jacks. Compatible with TM-271, TK-762, TK-862, TK-7160, TK-8160, TK-7162, TK-8162, TK-7180, TK-8180, TK-7189, TK-8189, TKR-750, TKR-850, TK-768G, TK-868G, TK-760, TK-860, TK-780, TK-880, TK-7102, TK-8102.

BLUE-MOB-KNX

Bluetooth Adapter Kit for Kenwood Mobile radios. Plugs into Rear Accessory connector (DB25) so Mic can still be used. Compatible with TK-7180, TK-8180, TK-7189, TK-8189, NX-700, NX-800, NX-900, NX-901.



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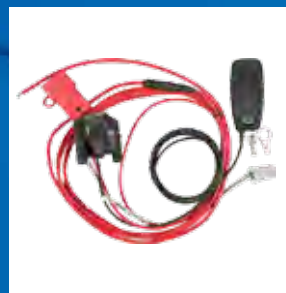
BLUE-MOB-HYT

Bluetooth Adapter Kit for Hytera (HYT) Mobile radios. Plugs into Rear Accessory connector (DB26). Compatible with MD78X/MD78G. Base price without wired or wireless PTT.



BLUE-MOB-MI6

Bluetooth Adapter Kit for Motorola Mobile radios. Plugs into Rear Accessory connector (uses Motorola OEM connector kit). Compatible with CDM Series, CM Series, GM Series, GR series, M Series, MAXTRAC Series, PM Series, SM Series. Base price without wired or wireless PTT.



BLUE-MOB-VI

Bluetooth Adapter Kit for Vertex Mobile radios. Plugs into Rear Accessory connector (DB15). Compatible with EVX-5300/5400, VX-2100/2200/4100/4200/4500/4600.

BLUE-MOB-MXTL

Bluetooth Adapter Kit for Motorola Mobile radios. Plugs into Rear Accessory connector (uses Motorola OEM connector kit). Compatible with XTL1500, XTL2500, XTL5000 and APX7000.



BLUE-MOB-MXPR

Bluetooth Adapter Kit for Motorola and MotoTRBO Mobile radios. Plugs into Rear Accessory connector (uses Motorola OEM connector kit). Compatible with XPR4300, XPR4350, XPR4380, XPR4500, XPR4550, XPR4580, XPR5350, XPR5550, XPR8300.

BLUE-MOB-V2

Bluetooth Adapter Kit for Vertex Mobile radios. Plugs into Rear Accessory connector (uses DB25). Compatible with VX-4000, VX-5500, VX-6000.

BLUE-MOB-AM

Bluetooth Adapter Kit for Alinco, ICOM, Kenwood, Yaesu and most other Amateur radios that use a standard 6-pin DIN Packet Radio connector.

BLUE-PTT: Wireless Bluetooth PTT

- Compatible with a wide variety of mobile radio models.
- LED indicator.
- Push-to-Talk function.
- USB-type charging connector.
- Allows you to activate 2-way radio's Push-to-Talk function wirelessly.
- Pairs quickly and easily with any BLUE adapter.
- Remembers paired connection even if PTT, wireless headset, or two-way radio is powered off.
- Automatically re-stores wireless connection next time PTT and BLUE Adapter are turned on.
- Multi-function LED keeps user updated on BLUE-PTT's status.
- Internal Li-Ion battery pack powers up to 12 hours per charge (charger included).



WIRELESS ADAPTERS: for Portable 2-way Radios



BLUE-MHT



BLUE-IMC



BLUE-KMC*



BLUE-MBO



BLUE-PTT



BLUE-HAR



BLUE-IFR



BLUE-MXT



BLUE-APX



BLUE-VNM



BLUE-HYP



BLUE-MEX

*Kenwood radios may require reprogramming in order to provide power to the BLUE-KMC. Some older Kenwood radios may be incompatible. Contact COBALT for compatibility.

Cobalt Blue™ Wireless Bluetooth Adapters allow compatible BT headsets and other audio devices to connect with portable 2-way radios. **BLUE** pairs easily with Cobalt **BT-TOP** adapters for muff headsets, **SPML-BLUE** speaker mics, **BLUE-MIC** surveillance kits, the **BLUE-HS** headset, and the **BLUE-PTT** wireless tx switch. It will also pair with many other BT headsets.

The adapter will remember paired components even when turned off. Patented "smart switch" feature automatically routes radio audio and mic to BT or wired accessory. When no audio accessory is connected, audio and mic are routed to radio's internal speaker and mic. This feature does not work on all radios.

Multi-pin radio adapters shown on *page 20* are powered by the connected radio (*no adapter battery*).

Some adapters feature Herose quick-disconnect jacks allowing use of Cobalt QD wired audio accessories when not using BT accessories--without removing adapter from radio. Adapters shown on *page 21* contain a rechargeable Li-ion battery and come with wall charger. Typical battery life about 12 hours before requiring recharging. The battery powered adapters are available in a longer cord version (at no extra charge), positioning PTT where it is easier to reach and improving wireless rang. Specify **LC** after part number such as **BLUE-MSC-LC**.

** Portable radio connectors not shown are supported by purchasing the quick disconnect audio adapter for that radio with the BLUE-HER quick disconnect BT adapter.



BLUE-MSC



BLUE-HYT



BLUE-MBX



BLUE-ISC2S



BLUE-HER**



BLUE-VSS2S



BLUE-VTC



BLUE-VSC



Radio shown with BLUE-MXT Adapter

COBALT BLUE™

LIGHTWEIGHT HEADSETS

T-10 Single and T-20 Dual Ear Headsets Feature:

- Newly retooled design
- Replaceable oversized leatherette ear pads. (Foam filled fabric covered also available.)
- Flexible metal boom microphone with replaceable windscreen.
- Noise reducing electret condensor microphone. (Dynamic and pre-amp electret also available.)
- Pre-amp electret and dynamic mics available.
- Comfortable adjustable metal overhead support with replaceable padding.
- Inline PTT for radio uses, mute switch for phones and no switch for intercoms.
- Headsets may be configured for radios, phones, intercoms, aviation or computers.
- Perfect for dispatch, retail, restaurant, movie/TV set, hospitality, entertainment and industrial.
- Available for OEM users.
- T-20 is hard hat, helmet, logo cap compatible.

1 YEAR
WARRANTY



T-20 Dual Ear Headset with Padded Headband

T-20 Dual Ear Headset with Nylon Strap

T-10 Single Ear Headset

With our innovative convertible design, the **T-20** headset comes ready to be used with hard hat, helmet or caps. To convert, simply install provided nylon strap in the ear speaker slots at 90 degrees from headband, put on headset with strap over head, shifting headband to become a neck band, adjust buckle to correctly position speakers over ears and reposition boom mic.

Standard Microphone

Type	Noise Canceling Electret Condenser Mic
Sensitivity	-47±3dB
Impedance	680Ω Typ
Frequency	500Hz □ 8000Hz
Standard operation voltage	10V
Current Consumption	Max. 0.4mA
Sensitivity reduction	-3dB at 1V
S/N ratio	> 60dB

SPECIFICATIONS

Speaker

Size	Outer Diameter 40mm
Impedance	300Ω @ 1kHz
Power Rating	Nominal 10mW RMS, 20mW Max.
Output Sound Pressure Level	96 ± 3dB / 100mW / 1cm
Frequency Range	100Hz □ 10kHz
Distortion	5% Maximum at 1kHz / 100mW

TT

Temple transducer headset with bone conduction speakers and boom mic. Inline PTT. Hard hat/helmet compatible.



KLSB

Similar to **KLSA** but has dual acoustic tube ear kits for use in noisy applications.



1 YEAR
WARRANTY

MIL
STD
810

QD
UPGRADE
AVAILABLE

KLSA

Lightweight behind head support headset with N/C micro-flex boom mic and ear speaker. In line PTT. Hard hat/helmet compatible.



DT-818

The **DT818** headset has Anti-Radiation circuitry, inline volume control with mic gain and mute switches. 2.5mm plug for cordless telephones.



BLUE-HS

Ear support Bluetooth headset with built-in PTT switch to key two-way radios.

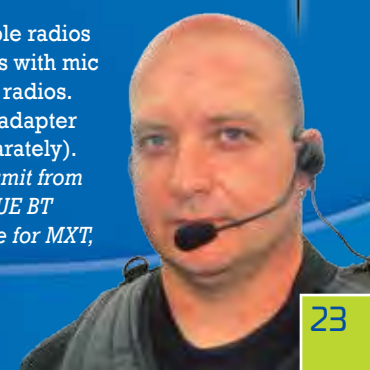
NOTE: Includes changing cable and can be charged from any USB device (wall, car, computer) but DOES NOT include wall charger. Wall charger sold separately.



COV-QD

Covert audio adapter for portable radios converts cell phone headphones with mic into a push-to-talk for handheld radios. Use either QD adapter or BLUE adapter via Herose connector (sold separately). Depending on radio model, transmit from radio PTT, QD adapter PTT or BLUE BT adapter with BLUE-PTT. Available for MXT, MHT, MBO, KSC, KMC and HAR.

KLSA pictured on model



TTC: High Noise Bone Conduction Headset

The **Cobalt TTC** bone conduction headset with a dual bone conduction temple speakers, features a behind head support headset and directional noise reduction boom mic.

- The **TTC** headset uses speakers that transmit audio directly into the user's skull, using advanced bone conduction technology. Since the dual speakers do not block the user's ears allowing the user to hear what is going on around (situational awareness). Also, the noise canceling mic is mounted on an adjustable flex boom to place the mic where you need it.
- Dual-Bone Conduction temple speakers transmit audio directly from vibrations into the user's skull. Adjustable wrap-around style headset secures behind the user's head.
- Over-the-head, adjustable strap holds headset firmly in-place. Comes with round tactical PTT (alternative switch: belt mounted junction PTT with detachable finger switch)
- Unique Bone Conduction speakers leave the user's ears uncovered so that the user can hear both incoming radio transmissions and the sounds going on around them. Or hear standard issue hearing protection ear plugs required for your work and hear the communication without need of a large muff headset.



ADD \$30. FOR
QUICK DISCONNECT
VERSION



Shown: **TTC** High Noise Bone Conduction Headset

- Use with hearing protection ear plugs as a lighter and less heat stress alternative to using muff headsets.
- Wear under hard hat or helmet.
- Tactical teams can wear with kevlar helmets.
- Wear under tight fitting plastic or other encapsulating hoods.

HSM: High Noise In-Helmet Skull Microphone

The Cobalt **HSM** lightweight in-helmet communications system mounts without tools to the helmet (or hard hat) liner using a unique strap fastener system. The ear speaker provides ambient sound and allows you to hear incoming radio communications without blocking ability to hear what is going on around you. Voice transmissions are picked up by noise-resistant microphone which sense sound vibrations through the skull.



ADD \$30. FOR
QUICK DISCONNECT
VERSION

- Easily and quickly installs into most hardhats or helmets with plastic liners.
- Heavy-duty, featuring polyurethane cable, rubber, and high-impact polycarbonate.
- Picks up the voice audio directly from vibrations in the user's skull, very resistant to picking up background noise.
- Large, ambient receive ear speaker leaves ears uncovered to hear what is going on around you
- Comes with standard round tactical switch for easy activation and radio connector cord. Other switch options are available (sold separately) and can be interchanged with standard switch.



Shown: **HSM** High Noise In-helmet Skull Microphone

- USES:**
- Interior firefighters will like the quick don and doff of fire gear with SCBA
 - Any industrial or public safety application where hard hat or helmet used and where SCBA or other face gear is also used.
 - Use with welder, PAPR and other face protective shields.



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THROAT MICROPHONE

TACTICAL SWITCH HEADSET KITS

Tactical Neck Mic



MIL
STD
810

IP
68



TM

Our tactical throat microphone series has created a new standard in price, performance and comfort for demanding law enforcement, fire, industrial and other task critical or high noise communication applications.

The **TM** is one of the most versatile economical audio accessories yet devised. It has been effectively used in activities requiring breathing protection including SCBA's, gas masks, hazmat, plastic suit and confined space. It is also effective to talk and listen in noisy areas. Perfect for police tactical units and firefighters.

Included with our rugged use throat mic kit is a molded plastic neck mic with adjustable water sealed rubber cover, dual mic elements, clear acoustic ear tube, large round detachable tactical PTT switch and a radio connector cord. The throat mic is designed to fit necks 12 to 17 inches in size.

We also include a rubber mushroom tip ear plug and a medium-sized semi-custom ear mold connecting to an acoustic ear tube. An adjustable cloth retainer strap is now integrated into the neck mic assembly and does not generally need to be secured unless wearing inside protective clothing to insure a secure fit. Options include PHP disposable 29 dB NRR hearing protection plugs with an internal tube to attached to acoustic tube.



Tactical PTT



Semi-custom
Ear Mold



Acoustic Tube
with Ear Bud

Our Tactical Switch combines with a variety of headset styles:



TKSLA



TCH21



TCH16



TCH11

With the popularity of our throat mic and bone conduction headset kits, we now provide inline round tactical switch versions of our Cobalt "blue" headsets and several other audio accessories. Throat mics, bone conduction headsets and all of our tactical switch accessories come with inline round tactical switch. *We also offer a switch alternative:* instead of a standard switch, we can substitute a belt clip PTT with detachable finger switch.

Add these accessories to customize your kit.

PHP-29 dB NRR Plugs, sold
in 100 per box.
(shown on acoustic tube).



*Throat mic top rated IP68 (fully
submersible.) Standard round
tactical switch rated IP56.



Belt and Finger
PTT Combo



Tactical
Switch

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SURVEILLANCE KITS: For 2-Way Radios

Cobalt features the widest range of surveillance kits found anywhere.

Sometimes referred to as *lapel mics*, *2-wire* or *3-wire kits*, we feature models with ear buds, acoustic tubes, plastic D-rings, and optional quick disconnect radio cords.

SPYM

Medium duty rugged lapel mic with inline acoustic tube earphone featuring a micro-speaker-transducer. Heavy duty cable with strong polyurethane jacket and superior strain relief. Light and comfortable to wear. Compatible with all ear tips and semi-custom ear molds.

BLUE-MIC

Bluetooth lapel microphone delivers a full 12 hr. shift talk time with easy pairing, no connectivity loss, and a fully functional PTT. Requires provided ear kit for listening.

More details on pg. 16.



Shown acoustic tube ear kit (KLSH)

PYM

Inline noise reduction lapel mic/push-to-transmit/clip and clear acoustic tube reinforced transducer speaker.

This is our most popular surveillance kit.

On acoustic ear tube models, a **KLP** rubber earplug and a right medium size **SCE** semi-custom ear mold is included. Optionally, **SCE**'s are available in small, medium, and large for left or right ears. Also available: **PHP** 29 dB NRR disposable hearing protection communication ear plugs (100 per box).

See Listen Only ear kits on pages 36-37 for more detail.



DLBG

Inline noise reduction lapel mic/push-to-talk/clip and comfortable cleanable hygienic plastic D-ring ear shell speaker. D-ring loops over the flap of the ear and swivels for left or right ear use.

CLBG

Inline noise reduction lapel mic/push-to-talk/clip and comfortable cleanable hygienic plastic C-loop ear shell speaker. The adjustable "C" securely loops over the flap of the ear and swivels for right or left ear use.

KLBG

Inline noise reduction lapel mic/push-to-talk/clip and in-the-ear ear bud speaker. Soft ear hook holds the ear bud in place.

HLBG

Inline noise reduction lapel mic/push-to-talk/clip and in-the-ear bud speaker with integrated ear hook containing receiver wire. Replacement speaker foam available.

*Limited radio connectors available, including: **KSC**, **MSC**, **VSS2S** & **MOP**.*



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SURVEILLANCE KITS: For 2-Way Radios

KLSN2

Traditional two-wire surveillance kit with clear acoustic tube reinforced transducer speaker and noise reduction lapel mic/push-to-transmit/clip assembly.



1 YEAR WARRANTY



6 MONTH WARRANTY

BYM

Budget priced inline lapel mic/push-to-transmit/clip and clear acoustic tube transducer speaker. *Limited radio connectors available, including KSC, MSC, VSS2S and MOP.*



HD 1 YEAR WARRANTY

MIL STD 810

KLSN3

For covert operations, you can conceal our 3-wire kit under clothing. Kit has clear acoustic tube transducer speaker, micro lapel mic/clip and 3rd wire for form fit barrel push-to-talk switch.

KLSN

Two-wire kit with push-to-talk/clip module at mid-split junction module with wire to lapel mic/push-to-talk/clip and wire to clear acoustic tube reinforced transducer speaker.

1 YEAR WARRANTY

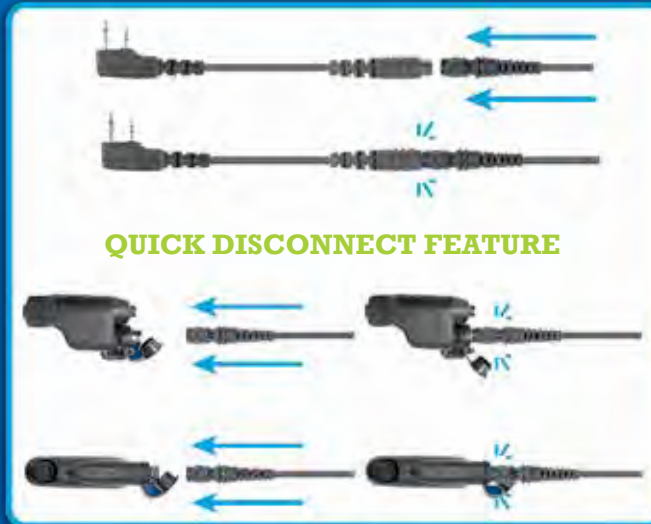
BLBG

Budget priced inline lapel mic/push-to-transmit/clip and in-the-ear ear bud speaker. Soft earhook holds the ear bud in place.



6 MONTH WARRANTY

QUICK DISCONNECT



QUICK DISCONNECT FEATURE

Our **Quick Disconnect System** allows easy connect and disconnect of your audio accessory, yet is secure enough to be used in most situations. Interchangeable with all **QD Adapters**, making communications convenient for multiple radio model users.

QD's prevent wear and tear, prolonging your radio's life.

These and other accessories are available.



SPMW Speaker Mic



PYM Surveillance Kit



KLSA Headset



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The **AMPS1** is a heavy duty remote speaker microphone, built for public safety use. Engineered for performance and durability, **AMPS1** features a noise-canceling mic, high output speaker and high/low switch to toggle speaker volume.

PLATFORM FEATURES:

- Large speaker microphone
- Front-firing, hi volume speaker
- Hi/Low volume toggle switch with 6 dB range
- Rugged heavy duty design built for public safety use
- Fully submersible--meets IP67 standards!
- Large tactile switch PTT is easy to use even wearing gloves
- Earphone jack for optional listen-only earphone
- Panic switch available (radio must support external panic)

LISTEN-ONLY OPTIONS for all COBALT Speaker Mics



The **AMPS2** is the weatherized version of our popular **SPMW** speaker microphone.

PLATFORM FEATURES:

- IP56 rating- sealed against dust and liquid
- 3.5 mm ear kit jack faces down to prevent rain from entering. Jack cover cap must be used when not in use.
- Large PTT button easy to operate even with gloves
- Noise cancelling microphone

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SPEAKER MICROPHONES: Remote Speaker Microphones for 2-Way Radios



NEW SPML-BLUE!

Our best seller is now available in Bluetooth, with the same great features as the original wired style. Details, page 16.

SPMW

Our best selling speaker mic is water resistant!

- Heavy duty impact-resistant polystyrene top
- Rubber sealed for wet environments
- Quality components insure clear transmit and receive
- Large PTT and metal reinforced 360° swivel clip
- 3.5 mm accessory jack for remote ear kit

Our speaker microphones offer the quality product you need at a value price. First class features include a rugged 360° swivel clip, excellent audio quality, rugged radio connector coiled cords and positive action PTT switches.

We offer both public safety-quality and retail compact sized models for most portable radios. Tactical antenna mics are also available.



SPML

Small lightweight remote speaker microphone

- Mic produces excellent transmit audio
- Powerful speaker despite small size
- Remote 3.5 mm audio jack
- Spring loaded, metal reinforced rotating clothing clip.
- Durable polycarbonate housing for long product lifespan
- Flexible polyurethane jacketed microphone cable with ample strain relief
- 3.5mm accessory jack

SPMR

OEM style speaker microphone

- Solidly built, modeled from radio manufacturers' styles-but at a fraction of the cost.
- Uses many of the same cables and parts as other speaker microphones.
- Includes standard 3.5 mm jack for all earphone options.
- Custom printing of your name and/or logo available on orders of over 100.



SPMM

Designed with retail, hospitality, and healthcare users in mind, our SPMM MINI MIC is our smallest, lightest speaker microphone yet!

- Small, lightweight and easy to use.
- Mic top measures only 2.8" x 1.9" x 0.85" (1.4" clip)
- Adjustable, rotating clip secures mic to user's clothing
- Loud matches the audio output of much larger speaker mics
- Tactile Push-To-Transmit button
- 3.5mm accessory jack for listen only ear kits
- SPMM is available for limited radio connector models.

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LISTEN ONLY EAR KITS



KLEL

D-ring over ear loop speaker kit. Swivels for left or right ear. Hygienically cleanable.

S2.5 15 inch coil cord with 2.5 mm right angle connector

S3.5 15 inch coil cord with 3.5 mm right angle connector

L2.5 25 inch coil cord with 2.5 mm right angle connector

L3.5 25 inch coil cord with 3.5 mm right angle connector

MTC 30 inch straight cord with 3.5 mm threaded straight connector (*MTC, see radio chart*)

QD 30 inch straight cord with QD connector (*mates with QD radio adapter, sold separately*)

KLP

Ear Bud rubber mushroom shaped ear insert for large elbow fitting.

KLAC

KLAC Replacement clear acoustic tube

KLAB Replacement black acoustic tube

KLAZ Replacement clear acoustic tube with metal threading

KLAP Replacement clear acoustic tube with plastic twist connect



KLSC

Economy ear bud speaker kit. Soft ear-hook holds the ear bud in place.

S2.5 15 inch coil cord with 2.5 mm right angle connector

S3.5 15 inch coil cord with 3.5 mm right angle connector

L2.5 25 inch coil cord with 2.5 mm right angle connector

L3.5 25 inch coil cord with 3.5 mm right angle connector

PHP

Disposable foam hearing protectors, 29 dB NRR, for small elbow fitting. Box of 100.

SCE

Semi-custom comfort fit ear mold for small elbow fitting.

- RS** Right small
- RM** Right medium
- RL** Right large
- LS** Left small
- LM** Left medium
- LL** Left large



PORTABLE RADIO ADAPTERS

See radio connector chart on pgs. 52-55 for more details.

M9716
MSC to MHT



M6766
MTC to MXT



M9717
MTC to MHT



K0111
KSC to KMC



M4455
MSC to MEX



M9783
MSC to MBO



AN-100 & N-100

Comply™ Foam Tips A-100 are for hearing your surroundings. N-100 is for noise reduction (but not qualified hearing protection). The patented "Dual Layer" technology increases retention to provide a secure in-ear fit and is comfortable during extended use. Compatible with acoustic tube ear kits. Three to a pack or 100 per box.



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550 Single
Radio Intercom

Cobalt apparatus intercoms offer effective vehicle communications and mandated hearing protection for fire and emergency responders. Jack boxes and intercoms are made of anodized magnesium alloy finish extruded aluminum with gasket seals. Cables can withstand extremes of temperature, moisture and sun. All cables are terminated with round metal locking connectors.

800 Single Radio Intercom

Supports driver and officer positions and up to 2 remote pump panel/outside transmit capable positions. Up to 6 crew intercom/non-transmit positions. Includes 1 mobile radio interface, plus cell phone jack, audio IN with auto muting and record OUT jacks.



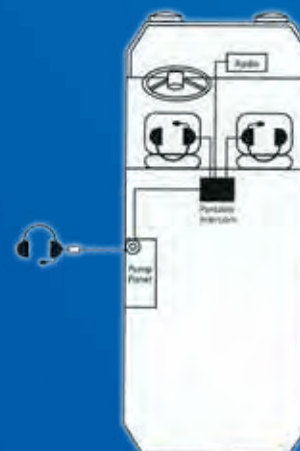
800 Dual
Radio Intercom

CH16
Headset

550 Dual Radio Intercom

Same as 550, adds two mobile radio interfaces.

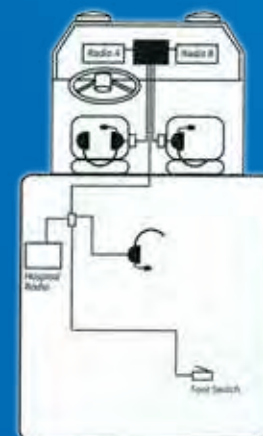
Variety of headset styles available.



Pumper: 550, driver/officer, pump panel and radio interface.



6 position: 550, driver/officer, 4 crew, pump panel and radio interface.



EMS: dual radio 800 with 2 radio interfaces, driver/officer 0611 A-B switch jacks, 0640 EMS medic jack with foot switch and hospital radio interface.

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611

Driver/officer A-B switch jack box with PTT switch (for 800 intercom).



600

Driver/officer transmit jack box.



601

Driver/officer transmit jack box with PTT switch.



PP

Outdoor pump panel transmit jack box with string action jack cover.



FS

FS Transmit function foot switch for connection to jack box or to intercom.



HH

Headset hanger



635

Dual crew non-transmit jack box

Intercom Cables

High quality cable used for connecting intercom to jack boxes.

- 441** 5 foot
- 442** 10 foot and up in 5 foot intervals
- 434** Y-splitter cable



Cobalt A/V
5-conductor Nexus plug fits Cobalt A/V intercom jacks

S2120-05 - 5 ft.
S2120-15 - 15 ft.

David Clark
3/16" plug fits old style David Clark intercom jacks

S2110-05 - 5 ft.
S2110-15 - 15 ft.

David Clark
1/4" military style plug fits David Clark intercom jacks

S2130-05 - 5 ft.
S2130-15 - 15 ft.

Firecom
5-conductor Nexus plug fits Firecom intercom jacks

PTT positions:
S2121-05 - 5 ft.
S2121-15 - 15 ft.
Crew positions:
S2122-05 - 5 ft.
S2122-15 - 15 ft.

Sigtronics & Setcom
1/4" plug fits both Sigtronics and Setcom intercom jacks

S2100-05 - 5 ft.
S2100-15 - 15 ft.

David Clark/Sigtronics
4-conductor Nexus style plug fits David Clark and Sigtronics intercom jacks

S2140-05 - 5 ft.
S2140-15 - 15 ft.



Headset Cord

Coiled cords with Nexus 5-contact connector (used on Cobalt intercoms). Cords are polyurethane outer jacket with 100% foil shield for optimal RFI imm

S2120-05 5 foot coil cord **S2120-15** 15 foot coil cord

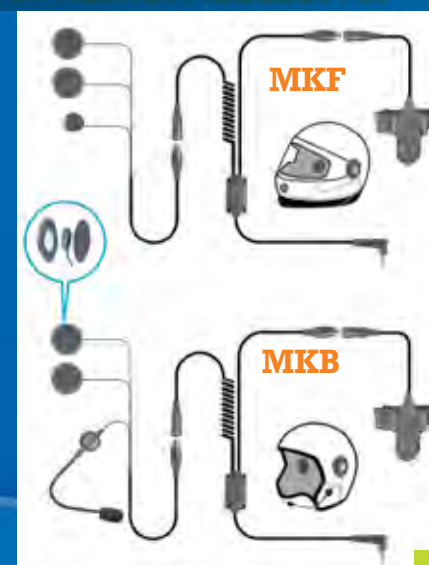
MKB/MKF Motorcycle In-helmet Headset Kit

Powerful in-helmet speakers allow the user to hear radio transmissions over road noise. High quality electret condenser element produces excellent transmit audio. Handle-bar mountable Push-To-Talk switch for convenient communications. Installs into helmet using only two-sided fastening tape. No drilling of holes is required. Modular features allow the mic system to be easily disconnected from the motorcycle. Available for both open faced (**MKB**) and full faced (**MKF**) helmets.

Limited radio connector cord availability:

-ISC, -ITC, -KSC, -MSC, -MOP, -MTC, -VSC, -VTC. For -KMC radios, use K0111 with -KSC. For MEX, use M4455 with -MSC. For -MHT use M9716 with -MSC or M9716 with -MTC. For MXT, use M9717 with -MTC.

See connector page on page 52 for radio chart.



MOBILE RADIO MICROPHONES

Cobalt **Mobile Mics** are direct replacements for popular models.
(Additional mic models are being developed, so check with us for updates for your particular model if you don't see it below.)

MAIN FEATURES:

- Rugged Microphone for Mobile radios
- Direct replacement for OEM (original manufacturer) units
- Noise Canceling Mic Element
- Rugged 5.5 mm diameter cable
- Stainless steel plates and hardware
- Rugged PC and ABS cases
- Includes mounting clip and hardware

1 YEAR
WARRANTY



MM-1

Replacement Microphone for OEM model HMI360.

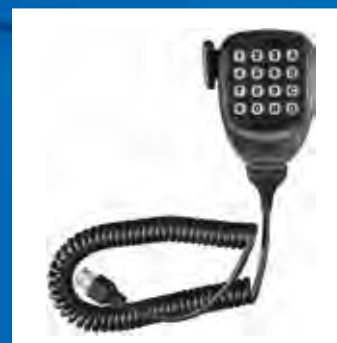
Has RJ-45 type connector and fits: CY F121S, CY F221S, IAS 100D, IAS 100W, IAS X- Band 50, IC-A110, IC-F110, IC-F110S, IC-F111, IC-F111S, IC-F121, IC-F121S, IC-F1610, IC-F1710, IC-F1721, IC-F1721D, IC-F1810, IC-F1821, IC-F1821D, IC-F210, IC-F210S, IC-F211, IC-F211S, IC-F221, IC-F221S, IC-F2610, IC-F2710, IC-F2721, IC-F2721D, IC-F2810, IC-F2821, IC-F2821D, IC-F320, IC-F320S, IC-F410S, IC-F420, IC-F420S, IC-F5011, IC-F5021, IC-F5022, IC-F5061, IC-F5062, IC-F510, IC-F5121D, IC-F521, IC-F6011, IC-F6021, IC-F6022, IC-F6061, IC-F6062, IC-F610, IC-F6121D, IC-F621, IC-F621TR, IC-F9511, IC-F9521, IC-FR3000, IC-FR4000, IC-FR6000, IC-FR6100, IF-BF510, IF-BF610, IC-FR5000, IC-FR5100



MM-K

Replacement Microphone for OEM model KMC-30.

Has RJ-45 type connector and fits most Kenwood models including: TM-271, TK-762, TK-862, TK-7160, TK-8160, TK-7162, TK-8162, TK-7180, TK-8180, TK-7189, TK-8189, TKR-750, TKR-850, TK-768G, TK-868G, TK-760, TK-860, TK-780, TK-880, TK-7102, TK-8102



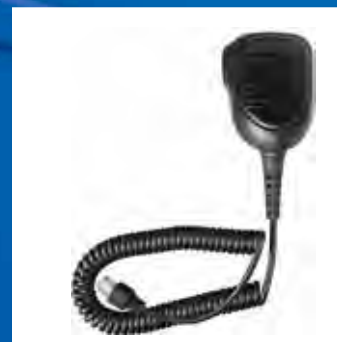
MM-KK

Replacement Microphone for OEM model KMC-32 with 16 button DTMF keyboard. Has RJ-45 type connector and fits most Kenwood models including: TM-271A, TM-281A, TK-7100, TK-7102, TK-7108, TK-7160, TK-7162, TK-7180, TK-7189, TK-7302, TK-7360, TK-8100, TK-8102, TK-8108, TK-8160, TK-8162, TK-8180, TK-8189, TK-8302, TK-8360, TK-90, TM-V71A, and TM-D710A

MM-M

Replacement Microphone for OEM model RMN4025.

Has RJ-45 type connector and fits many models including: CDM1250, CDM1550, CDM1550LS, CDM1550LS+, CDM750, GM1280, GM140, GM160, GM300, GM338, GM340, GM360, GM380, GM398, GM640, GM660, MCX760, MCX780, PRO3100, PRO5100, PRO7100



MM-MB

Replacement Microphone for OEM model RMN5052.

Has Motorola GCAI (special round) type connector and fits many models including: DGM4100, DGM4100+, DGM6100, DGM6100+, DM3400, DM3401, DM3600, DM3601, DM4400, DM4401, DM4600, DM4601, XiR M8220, XiR M8228, XiR M8260, XiR M8268, XiR M8620, XiR M8628, XiR M8660, XiR M8668, XPR4300, XPR4350, XPR4500, XPR4550, XPR5350, XPR5550GM640, GM660, MCX760, MCX780, PRO3100, PRO5100, PRO7100



MM-V

Replacement Microphone for OEM model SM31.

Has RJ-45 type connector and fits many models including: VX-1400, VX-2100, VX-2200, VX-4104, VX-4107, VX-4204, VX-4207, VXR-7000, VXR-9000



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AUDIO | VIDEO

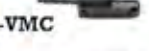
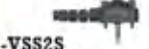
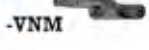
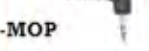
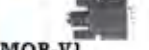
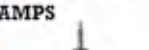
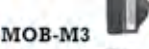
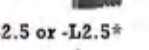
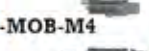
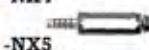
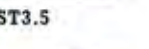
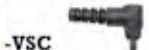
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Cobalt stocks a wide variety of connectors to fit many radio models.

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RADIO CONNECTOR SELECTOR

Cobalt stocks a wide variety of connectors to fit many radio models.

MANUFACTURER	RADIO MODELS	STYLE	DESCRIPTION	MANUFACTURER	RADIO MODELS	STYLE	DESCRIPTION
MOTOROLA	(requires M6676 or Motorola BDN6676) GP900, GP9000, HT1000, MT1500, MT2000, MTS2000, MTX8000, MTX838, MTX900, MTX9000, MTX960, MTXLS, PRI500, X1500, XTS1500, XTS2000, XTS2500, XTS3000, XTS3500, XTS5000, GP1200 (requires M9717 or Motorola HLN9717 adapter) CBPRO, GP1280, GP140, GP320, GP328, GP329, GP338, GP339, GP340, GP360, GP380, GP640, GP650, GP680, GP960, HT1250, HT1250LS, HT1550, HT1550XLS, HT750, JT1000, MTX8250, MTX8250LS, MTX850, MTX850LS, MTX9250, MTX950, PR860, PRO5150, PRO5350, PRO5450, PRO5550, PRO5750, PRO7150, PRO7350, PRO7450, PRO7550, PRO7750, PRO9150, PTX700, PTX760, PTX780	1-PIN		VERTEX	VX-530, VX-600, VX-800, VX-900	MULTI-PIN	
MOTOROLA	GP900, GP9000, HT1000, MT1500, MT2000, MTS2000, MTX8000, MTX838, MTX900, MTX9000, MTX960, MTXLS, PRI500, X1500, XTS1500, XTS2000, XTS2500, XTS3000, XTS3500, XTS5000, GP1200	MULTI-PIN		VERTEX	VX-130, VX-131, VX-132, VX-160, VX-180, VX-210, VX-210A, VX-230, VX-231, VX-350, VX-351, VX-354, VX-400, VX-410, VX-420, VX-427, VX-450, VX-454, VX-459	1-PIN	
MOTOROLA	CBPRO, GP1280, GP140, GP320, GP328, GP329, GP338, GP339, GP340, GP360, GP380, GP640, GP650, GP680, GP960, HT1250, HT1250LS, HT1550, HT1550XLS, HT750, JT1000, MTX8250, MTX8250LS, MTX850, MTX850LS, MTX9250, MTX950, PR860, PRO5150, PRO5350, PRO5450, PRO5550, PRO5750, PRO7150, PRO7350, PRO7450, PRO7550, PRO7750, PRO9150, PTX700, PTX760, PTX780	MULTI-PIN		VERTEX	VX-820, VX-821, VX-824, VX-829, VX-871, VX-874, VX-879, VX-920, VX-921, VX-924, VX-929, VX-971, VX-974, VX-979, VX-P820, VX-P920	MULTI-PIN	
MOTOROLA	EX500, EX600, EX600XLS, GL2000, GP328 PLUS, GP338 PLUS, GP344, GP388, PRO5151 Elite, EX560	MULTI-PIN		VERTEX	VX-120, VX-127, VX-170, VX-177, VX-6R, VX-7R	1-PIN	
MOTOROLA	EM1000, FR50, FR60, FV300, FV300R, FV700R, FV750R, MH230R, MJ270R, MR350R, MR355R, SPIRITGT, SPIRITGT Plus, SX600R, SX900R, T270, T280, T289, T5100, T5200, T5300, T5320, T5400, T5410, T5420, T5500, T5600, T5620, T5700, T5710, T5720, T5800, T5820, T5920, T5950, T6200, T6210, T6220, T6250, T6300, T6320, T6400, T6500, T7200, T7400, T8500, T8550, T9500XLR, T9500XLR, T9580R, T9580R, T9750R, TalkAbout	1-PIN		VERTEX	This connector is available only on selected products. VX-VX-2100, VX-2200, VX-4100, VX-4200	MOBILE RADIO REAR AUX JACK DB-15	
MOTOROLA	ASTRO SABER, MX1000, MX2000, MX3000, RPY- 7500, SABER, SABERII, SABERIII	MULTI-PIN		COBALT	Cobalt AMPs speaker microphones including GPS	STRAIGHT 3.5 MM 4-PIN THREADED PLUG	
MOTOROLA	APX 7000, MOTOTRBO XPR6300, XPR6500, XPR6550, APX 7500, XPR6100, XPR6350, XPR6580	MULTI-PIN		COBALT	Any listen only audio accessory with 2.5 mm phone plug. S indicates 15 inch short cord. L indicates 30 inch long cord.	RIGHT ANGLE 2.5 MM 2-PIN PLUG	
MOTOROLA	This connector is available only on selected products. CM200, CM300, CDM1250, CDM1550, CDM750, GM Series, Maxtrac Series	MOBILE RADIO REAR AUX JACK 16 PIN		COBALT	Any listen only audio accessory with 3.5 mm phone plug. Cobalt audio accessories use 3.5 mm jacks. S indicates 15 inch short cord. L indicates 30 inch long cord.	RIGHT ANGLE 3.5 MM 2-PIN PLUG	
MOTOROLA	This connector is available only on selected products. CM200, CM300, CDM1250, CDM1550, CDM750, GM Series, Maxtrac Series, MCS2000	MOBILE RADIO FRONT MIC JACK RJ-45		COBALT	Any listen only audio accessory with 2.5 mm phone plug.	STRAIGHT 3.5 MM 2-PIN THREADED PLUG	
MOTOROLA	This connector is available only on selected products. MCS2000	MOBILE RADIO BOTTOM AUX JACK 25 PIN		COBALT	Any listen only audio accessory with 2.5 mm phone plug.	STRAIGHT 2.5 MM 2-PIN PLUG	
MOTOROLA	This connector is available only on selected products. XTL1500, XTL2500, XTL5000	MOBILE RADIO REAR AUX JACK 16 PIN		COBALT	Any listen only audio accessory with 3.5 mm phone plug.	STRAIGHT 3.5 MM 2-PIN PLUG	
NEXUS	NEXUS Plug. Call for compatibility.	4-CONTACT PLUG		COBALT	Polycom Spectralink 6000- and 8000-series wireless phones. Most cordless phones. Specify end device when ordering.	RIGHT ANGLE 2.5 MM 3-PIN PLUG	
NEXUS	NEXUS Plug. Call for compatibility.	5-CONTACT PLUG		COBALT	Old series Spectralink PTB-400-series wireless phones	RIGHT ANGLE 3.5 MM 3-PIN PLUG	
RELM	RPU416, RPU4200, RPU499, RPU4200, RPUV516, RPUV599X	2-PIN		COBALT	HME DX-series wireless intercom stations and belt packs	RIGHT ANGLE MINI-DIN PLUG	
RELM	RPU6500, RPU6500 (requires M4455 adapter) RPU3000A, RPU3600, RPU3600APLUS, RPU7500, RPU3000A, RPU3600APLUS, RPU7500, RPU7500	2-PIN		COBALT	Clear-Com, Telex, Production Intercom wired and wireless intercom stations and belt packs	STRAIGHT XLR 4-PIN FEMALE PLUG	
RELM	RPU3000A, RPU3600, RPU3600APLUS, RPU7500, RPU3000A, RPU3600, RPU3600APLUS, RPU7500	MULTI-PIN		COBALT	Telex RTS wired and wireless intercom stations and belt packs	STRAIGHT XLR 4-PIN MALE PLUG	
RITRON	JMX Series, JMX-141D, JMX-144D, JMX-146D, JMX-441D, JMX-444D, JMX-446D, RTX Series, RTX-050, RTX-150, RTX-450, SST D Series, SST-144D, SST-444D, SST-446D	2-PIN					
RITRON	J Series, SLX Series, SLX-100, SLX-400	1-PIN					
VERTEX	(requires Vertex CT-44 adapter) FT-10R, FT-40R, FT-50R, FT-60R, VX-1R, VX-2E, VX-2R, VX-5R (requires Vertex CT-91 adapter) FT-270, VX-120, VX-127, VX-170, VX-177, VX-6R, VX-7R	2-PIN					
VERTEX	VX-310, VX-500, VX-510, VX-520, VX-520UD (Do not use with VX-537)	2-PIN					
VERTEX	FT-10R, FT-250, FT-40R, FT-50R, FT-60R, VX-10, VX-110, VX-150, VX-1R, VX-2E, VX-2R, VX-300, VX-400, VX-5R, VXF-1	1-PIN					

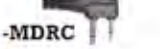
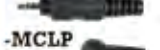
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RADIO CONNECTOR SELECTOR

Cobalt stocks a wide variety of connectors to fit many radio models.

MANUFACTURER	RADIO MODELS	STYLE	DESCRIPTION
HARRIS/ M/A COM	P5300, P5400, P7400 and UNITY XG-75	MULTI-PIN	 -HAR
HARRIS/ M/A COM	UNITY XG-100	MULTI-PIN	 -UNTY
HYT/ HYTERA	1-pin side connector with lock screw: TC320	1-PIN	 -HSC1S
HYT/ HYTERA	X1e and X1p Digital Covert DMR Radios	MULTI-PIN	 -HYTC
ICOM	IC-F3261, F4261, F9011, F9021	MULTI-PIN	 -IFR
MIDLAND	LXT Series and GXT (no speaker mics compatible with GXT - lapel kits only) 2-pin connector on side of radio (and NO retaining screws).	2-PIN	 -MDRC
MOTOROLA	Top connector: CLP	1-PIN	 -MCLP
MOTOROLA	Side connector: Mototrbo SL7550	1-PIN	 -MSL
MOTOROLA	Mototrbo XPR3300 and 3500 series	MULTI-PIN	 -MBX
TAIT	Fits TAIT TP8100 series multi-pin connector radios	MULTI-PIN	 -TAIT

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PRODUCTS & SERVICES

ACCESS CONTROL

We offer access control systems for a wide variety of facilities, both single site and multiple sites, with single badge access or Keyfob products.

VIDEO SURVEILLANCE

We offer IP and conventional composite video surveillance solutions.

TELEPHONY

We offer IP and SIP phone systems and WiFi (including WiMax) solutions, integrated voice mail and smart phone integration. We also provide Avaya IP office systems.

RF SOLUTIONS

We offer RF Solutions with turnkey implementation including FCC Licensing, tower location, system design, construction, and system installation. Microwave point-to-point or multi-point solutions.

TWO-WAY RADIO

While we offer two-way sales, programming, installation and service, we also provide FCC licensing consultation, complete system integration, dispatch and 911 consoles. We offer IP radio solutions as well as P25 and digital radio systems. We specialize in providing protective clothing wireless communication.

DAS/BDA DISTRIBUTED ANTENNA SYSTEMS

(DAS) and Bi-direction antenna systems (BDA) are used to provide cellular coverage in large public facilities such as arenas and stadiums, hospitals, office buildings and college campuses. We specialize as system integrators for in-building wireless installation and partner with end users, carriers and manufacturers, and contractors. We provide a turn key project approach from concept through closing. Through project management methodology, we create a detailed design with drawings followed by a quality installation with strict adherence to industry standards.

TOWER SERVICES

We provide tower maintenance that includes antennas, radio heads, TTA, RET cables, lights, and cable replacement. We provide PIM, sweep, and other testing.

OPENBTS

We offer consultation, integration, and deployment of OpenBTS. This technology has uses as an alternative to cellular. Public safety emergency management will be keen to use OpenBTS for mobile data, especially during cellular outages. OpenBTS is a Unix application that uses a software radio to present a GSM Um interface to handsets and uses an SIP soft switch or PBX to connect calls. The combination of global-standard GSM air interface with low-cost VoIP backhaul provides a new type of cellular network that can be deployed and operated at much lower cost than existing technologies in rural cellular deployments and private cellular networks.

MICROWAVE

We offer point-to-point, point-to-multipoint, Bridge, AP, Subscribers, and Network Design.

SOFTWARE PTT

We provide applications for Windows, Mac, IOS, and Android, as well as private servers for secure communications.

MOBILE DATA

As a *total mobile solutions integrator (hardware, software, connectivity)*, we provide a wide variety of products and services for the mobile workforce. Our focus is to design solutions to suit your specific application and situation.

We offer rugged devices and laptops with software solutions, including custom applications developed for your needs.

In addition, we provide private networks, VPN, and installation services for a complete turnkey project experience.

CUSTOM HEADSETS & CABLES

For years we have custom assembled headsets for connection to just about any communication device and system, including intercoms, radios, and telephones. We can often provide quick turn around value solutions that most headset vendors do not offer.

PRODUCT WARRANTIES

Each product line represented by ComtronICS | Cobalt AV offers different warranties. We stand by the manufacturer's warranty plus we may offer various other types of service warranties. We always stand 100% behind our products and services through normal and expected usage.

THE COMTRONICS STORY

ComtronICS Inc (aka *Comtronics Industrial Communication Systems*) is a 35 year veteran of the wireless business, based in Lexington KY. We have developed a solid reputation for innovative system design and as a reliable supplier of headsets, radios and wireless technologies.

Our expertise spans several vertical markets, including nuclear, public safety, energy, and paper products manufacturing. Our customers include many Fortune 500 companies.

ComtronICS is an authorized Motorola 2-Way Radio dealer since 1993, offering the most experienced source for Motorola radio communication products and services in the central Kentucky and Cincinnati metropolitan area. **Two times we achieved the select Motostar excellence rating and are also recognized as a Platinum Channel Partner.**

In **2003**, we created our popular radio audio accessories division, **Cobalt AV**, which brings you cutting edge products. Our signature Cobalt blue muff headsets have become an industry favorite. Our warehouse location puts us within one or two ground shipping days of much of central and eastern United States.

In **2012**, we opened our second office in Florence, KY to better serve the Cincinnati market.



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