

TECHNICS

COMMUNICATION BY INNOVATION



XTECHNICS

COMMUNICATION BY INNOVATION

Welcome to XTechnics Group Inc, your partner in research, design, sourcing, marketing and logistics in the two way radio market. With an average of 18 years expertise in providing consultancy and services to the radio accessory market, each of our experienced Account Executives at XTechnics Group will assist you to maximize the opportunities in this very competitive market segment.

If you want the security and resources of a trusted industry partner contact us now at (860) 808 1276 or email us at sales@Xtechnics.com



THE BRANDS YOU CAN TRUST

XTechnics Group Inc. is the exclusive supplier and North American distributor of the XSET and McKay range of professional radio accessories. Should you wish to subscribe for a prospectus to have access to these brands, please do not hesitate to contact us.



LISTEN ONLY EARPIECES



Model # 1RX

The best receive audio production listen only earpiece available featuring McKay 'ELITE' Transducer with Acoustic Airtube
 Cable : 300mm or 900mm Plug: 2.5mm or 3.5mm or 3.5 thread



Model # XLA

The most versatile listen only earpiece available with detachable earpiece cable and interchangeable acoustic airtube
 Cable : 300mm or 900mm Plug: 2.5mm or 3.5mm or 3.5 thread



Models # XLD and XLC

When cost effectiveness and comfort is your primary objective these two very reliable earpieces will meet your requirements.
 Cable : 300mm or 900mm Plug: 2.5mm or 3.5mm or 3.5 thread



Model # 1RZ

The newest receive audio production listen only earpiece featuring quick release Acoustic Airtube technology
 Cable : 300mm or 900mm Plug: 2.5mm or 3.5mm or 3.5 thread



NEW FOR 2010
 TRADE SHOW SPECIAL

1RZ LISTEN ONLY EARPIECE

Introducing the 1RZ, the newest, most innovative and most practical listen only accessory ever. Without the need for fragile connection points the 1RZ offers revolutionary RaR (Rapid airtube Replacement) technology to allow for flexibility, redundancy and reliability.



Fitted with COMTIP



21dB NRR

Just compare the shape of the 1RZ with other acoustic airtube listen only accessories and you can see they difference in quality and function.

ACCESSORIES

COMTIP EAR CONE



SEMI-CUSTOM EAR MOLDS



AIRTUBE EAR HOOKS

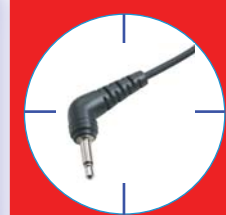


AVAILABLE CONNECTORS

2.5mm



3.5mm



3.5mm SCREW

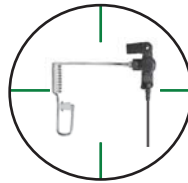


SURVEILLANCE KITS

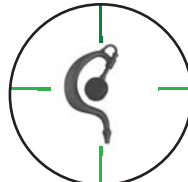
1 WIRE KITS



EARPIECE OPTIONS



Acoustic Airtube

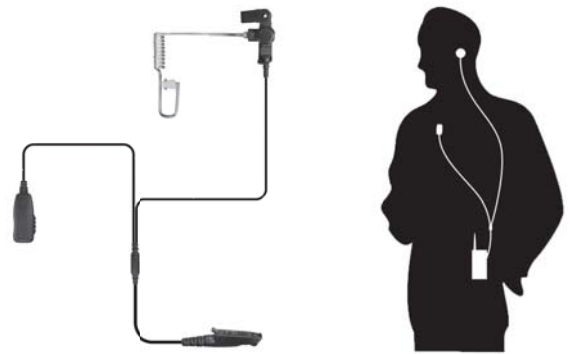


C Hook

Models Available

MODEL #	PTT	MICROPHONE	SPEAKER
X1B	In-line	With PTT	Ear Bud
X1C	In-Line	With PTT	C Ear Hook
X1D	In-Line	With PTT	'D' On-Ear Hook

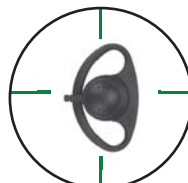
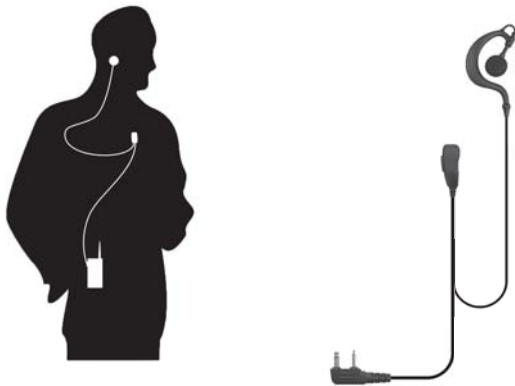
2 WIRE KITS



Models Available

MODEL #	PTT	MICROPHONE	SPEAKER
X2A	Lapel	With PTT	Acoustic Airtube
X2C	Lapel	With PTT	C Ear Hook
X2D	Lapel	With PTT	'D' On-Ear Hook

1 1/2 WIRE KITS



D Hook

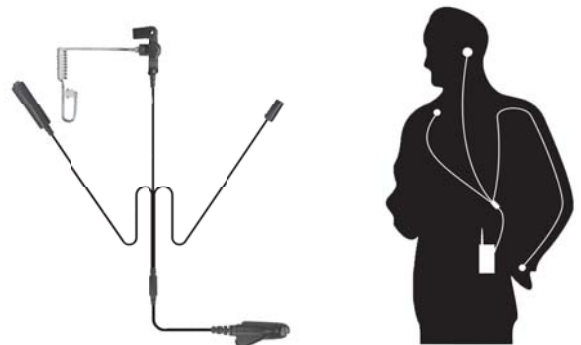


21NRR rated
Communication Tip

Models Available

MODEL #	PTT	MICROPHONE	SPEAKER
X15A	Lapel	With PTT	Acoustic Airtube
X15C	Lapel	With PTT	C Ear Hook
X15D	Lapel	With PTT	'D' On-Ear Hook

3 WIRE KITS



Models Available

MODEL #	PTT	MICROPHONE	SPEAKER
X3A	Palm / Finger PTT	Lapel	Acoustic Airtube
X3C	Palm / Finger PTT	Lapel	C Ear Hook
X3D	Palm / Finger PTT	Lapel	'D' On-Ear Hook

1WX ELITE 1 WIRE KIT



2WX ELITE 2 WIRE KIT



The McKay WX range of acoustic airtube surveillance kits represent the highest quality of two radio accessories for the professional operative. With ergonomic but functional push to talks, with patented 'Metal Fusion' strain reliefs for increased durability with reinforced cabling for prolonged product life. The WX Series accessories use the audiology quality ELITE balanced armature speaker transducer giving the clearest, crisp receive audio placed in line and fitted with a replaceable acoustic airtube. When fitted with our exclusive COMTIP silicone 21NRR rated communications ear-piece you have the best surveillance kit in the radio accessory market.

SPEAKER MICROPHONES

XSET XSM² SERIES
SPEAKER MICS



IP 67 RATED

- ◆ IP67 RATED WATERPROOF/DUSTPROOF CASE
- ◆ RUBBER GRIP ON CASE FOR COMFORT AND SECURITY
- ◆ FULLY SEALED RECEIVE ONLY SOCKET
- ◆ HEAVY DUTY ROTABLE CLOTHING CLIP

**HEAVY DUTY
IP67 RATED
SPEAKER MIC**

ERGONOMIC DESIGN WITH COMFORT FEEL



UP / DOWN VOLUME CONTROLS



3.5mm LISTEN ONLY SOCKET



XSET XSM SERIES
SPEAKER MICS



- ◆ ERGONOMIC DESIGN HIGH IMPACT CASE
- ◆ 3.5mm LISTEN ONLY SOCKET WITH PROTECTIVE COVER
- ◆ REINFORCED SHIELDED INTERFACE CABLE
- ◆ HEAVY DUTY ROTABLE CLOTHING CLIP

**COST EFFECTIVE
MEDIUM DUTY
SPEAKER MIC**

ERGONOMIC DESIGN WITH COMFORT FEEL



3.5mm LISTEN ONLY SOCKET



HEAVY DUTY ROTABLE CLOTHING CLIP



SAFE-T-MIC
HI-VIS SPEAKER MIC



- ◆ HIGH IMPACT HI-VIS CASE
- ◆ MODULAR DESIGN WITH FIELD REPLACEABLE CABLE
- ◆ REFLECTIVE TABS TO INCREASE VISIBILITY UP TO 300ft
- ◆ HEAVY DUTY ROTABLE CLOTHING CLIP

**THE ONLY HI-VIS
SPEAKER MIC
AVAILABLE**

FIELD REPLACEABLE CABLES



REFLECTIVE STRIPS



2.5mm/3.5mm LISTEN ONLY SOCKETS



McKay™ radio accessories
4SM Series
Speaker Microphones



- ◆ HIGH IMPACT RESISTANT POLYCARBONATE CASE
- ◆ MODULAR DESIGN WITH FIELD REPLACEABLE CABLE
- ◆ DUAL LISTEN ONLY SOCKETS (2.5mm and 3.5mm)
- ◆ HEAVY DUTY ROTABLE CLOTHING CLIP

**VERSATILE
MEDIUM DUTY
SPEAKER MIC**

FIELD REPLACEABLE CABLES



2.5mm / 3.5mm SOCKETS



ROTABLE CLOTHING CLIP



TACTICAL HEADSETS



XSET COMMAND HEADSET

The COMMAND HEADSET is an extremely lightweight, ultra comfortable tactical headset. Fitted with two bone conduction temple speakers and a IP rated boom microphone. The COMMAND headset fits under all helmets and can be used with hearing protection. Also ideal for use with dual radios.

1. EXTREMELY LIGHT WEIGHT DESIGN
2. DUAL FULLY SEALED BONE CONDUCTION SPEAKERS.
3. ELECTRET BOOM MICROPHONE - IP67 RATED

BOOM MICROPHONE TEST DATA

Immersion Rated 3metres IP67
 Typical Frequency Response (300Hz-4KHz)
 Sensitivity [-49dB @ 1KHz]

SPEAKER RECEIVER TEST DATA

Typical Frequency Response (300Hz-4KHz)
 Sensitivity [119dB SPL @ 1KHz]
 Impedance 300 ohms [32 ohms available]



Model Shown
 Part # XTBC-N3

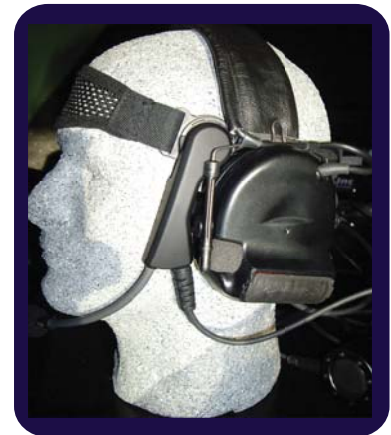


XSET TEAM HEADSET

The XSET TEAM is a purpose built universal tactical headset designed and assembled in the USA. The features of the TEAM are unique and make it one of the most versatile radio accessories on the market today.

1. EXTREMELY LIGHT WEIGHT DESIGN
2. SINGLE ON - EAR SPEAKER FOR EXTENDED COMFORT.
3. DESIGNED TO FIT UNDER HEARING PROTECTORS
4. PRODUCT OF THE USA

PRODUCT CODE	DESCRIPTION	CONNECTOR
XHR - 294 - N	TEAM headset / Level 2 Mic / Electret	1/4" - 4 Pole - Nexus Connector
XHR - 194 - N	TEAM headset / Level 2 Mic / Electret	1/4" - 4 Pole - Nexus Connector
XHR - 026 - N	TEAM headset / High Noise Mic / Dynamic	1/4" - 4 Pole - Nexus Connector
XHR - 194 - U	TEAM headset / Level 1 Mic / OEM	Unterminated



XSET NEGOTIATOR HEADSET

The NEGOTIATOR is the ideal lightweight Tactical Headset

1. LIGHT WEIGHT BEHIND THE HEAD DESIGN
2. COMFORTABLE ON EAR SPEAKER.
3. HIGH SENSITIVITY ELECTRET MIC FOR WHISPER COMMUNICATIONS
4. ADJUSTABLE HEAD BAND FRAME AND NECK STRAP
5. AVAILABLE IN HARDWIRED OR MODULAR CONFIGURATIONS
6. FACTORY 12 MONTH WARRANTY



Model Shown
 Part # XTHLW



NEW FOR 2010
 TRADE SHOW
 SPECIAL

XSET TEAM PUSH TO TALK

The XPT³ Tactical Push To Talk is the smallest light weight PTT in the market

1. LIGHT WEIGHT ERGONOMIC DESIGN
2. IP67 WATER AND DUST PROOF CASE ENGINEERING.
3. AVAILABLE IN HARDWIRED OR MODULAR CONFIGURATIONS
4. OPTIONAL HEAVY DUTY VEST CLIP OR MOLLE POUCH
5. COMPATABLE WITH MOST MULTI-PIN RADIOS



TACTICAL EARPIECES & ACCESSORIES



TACTICAL EAR MIC

The 11TSES semi-custom bone conduction ear microphone is the arguably the most comfortable production ear microphone available on the market. With the unique locking ear helix the 11TSES is ideal for use with respiration equipment and where normal communications devices cannot be relied upon.

1. FULLY SEALED RUBBERERIZED BONE CONDUCTION TRANSDUCER AND SPEAKER
2. SEMI CUSTOM DESIGN TO LOCK INTO EAR CANAL
3. LEFT AND RIGHT EAR VERSIONS AVAILABLE
4. CAN BE USED WITH EAR HOOK AND CABLE CLOTHING CLIP
5. AVAILABLE WITH 1/4" 4 POLE CONNECTOR OR LOCKING TA5 CONNECTOR



RESPONDER THROAT MIC

The 2TACTM Throat microphone is the perfect accessory for use with SCBA / WMD and Hazmat equipment. The single fully sealed transducer is fitted to a fully adjustable neck band with a quick disconnect. The 2TACTM features an in line speaker pod with a screw in socket to take a variety of earpieces and comes standard with the high quality 1RZ acoustic airtube and COMTIP earpiece. .

1. FULLY SEALED RUBBERERIZED SINGLE PIEZO MICROPHONE TRANSDUCER
2. FULLY ADJUSTABLE AND REPLACEABLE ELASTIC NECK BAND.
3. QUICK DISCONNECT FOR SAFETY
4. IN LINE SPEAKER POD WITH SCREW IN ACOUSTIC AIRTUBE STANDARD
5. AVAILABLE WITH 1/4" 4 POLE CONNECTOR OR LOCKING TA5 CONNECTOR



TACPTT PUSH TO TALK

The heaviest duty Push To talk on the market, the TACPTT uses a full aluminium body for the PTT case, this lightweight rugged construction with a large indented rubberized PTT button provide a high level of water and dust resistance. With unique steel/rubber composite strain reliefs the TACPTT ensure long life durability and reliability on the cabling. The TACPTT also features an ingenious in line pod for fitting of remote finger PTT (available separate). A heavy duty clothing clip is also supplied. Available standard with 1/4", 4 pole audio socket.

1. EXTREMELY HEAVY DUTY ALUMINUM CASE
2. DUAL FULLY SEALED BONE CONDUCTION SPEAKERS.
3. ELECTRET BOOM MICROPHONE - IP67 RATED



TACTICAL ACCESSORIES

SEMI CUSTOM EAR MOLDS
Part # XE



LARGE MEDIUM SMALL
Left Right

EAR MICROPHONE EAR CLIP
Part # XEMC



MOLLE VEST CLIP FOR PTT
Part # XCLIP2



REMOTE FINGER PTT
Part # XPTT2



HEADSETS AND INTERFACES

HEAVY DUTY OVER HEAD



MODEL # XHOH-E

- ◆ **PNR™ Technology** from AVCOMM
- ◆ Can be fitted with dynamic boom mic option
- ◆ Fitted with EasyLink™ detachable cables.

HEAVY DUTY BEHIND HEAD



MODEL # XHBH-E

- ◆ **PNR™ Technology** from AVCOMM
- ◆ Volume control and PTT on Ear Cup
- ◆ Black, Yellow, Red and White Ear Cups

CAP MOUNTED



MODEL # XHH-RX

- ◆ Universal hard hat mounting brackets
- ◆ Available with boom mic for transmit
- ◆ Durable reinforced polyurethane cables

2-Way Headset Key Features

- Exclusive patented PNR™ audio technology
- Certified 24dB NRR
- Universal 5-pin 2-way radio connection
- Soft touch 1,000,000 cycle sealed push-to-talk
- Tuned dynamic noise cancelling microphone
- Powerful Neodymium speakers
- Rugged cables with durable polyurethane insulation
- Spiral shielding reduces RF interference
- Cloth mic muff protects mic from moisture and debris



NRR Test Results: American National Standards Institute
ANSI Specifications: S3.19-1974
Certification by Michael & Associates, State College, PA

General Specifications

Speaker

Impedance: 300 ohm/mono
Core: Neodymium
Frequency Response: 200-6kHz
Sensitivity: 101dB with 1mW Input

Microphone

- Type: Dynamic Noise Canceling
- Frequency Response: 300-4kHz
- Impedance: 150 ohm
- Boom Type: 3 pc. Wire Boom

Technical

- Certified NRR: 24db
- Domes: ABS High Impact Plastic
- Color: Assorted
- Weight: 15.3 oz

Mechanical

- Kevlar® Reinforced Copper Wiring
- 5-pin Detachable Cord Connection
- Polyurethane Insulation (UV Safe)
- 1,000,000 Cycle Sealed Push Switch

MPTT

PERFECT FOR LIGHTWEIGHT HEADSETS AND EAR MICS



Medium Size Modular PTT

MWPTT

HEAVY DUTY INDUSTRIAL PTT WATER/DUST PROOF



Large Size Modular PTT

XCAM

MOBILE INTERFACE CABLES



Cables in 3' and 6' lengths

SR50

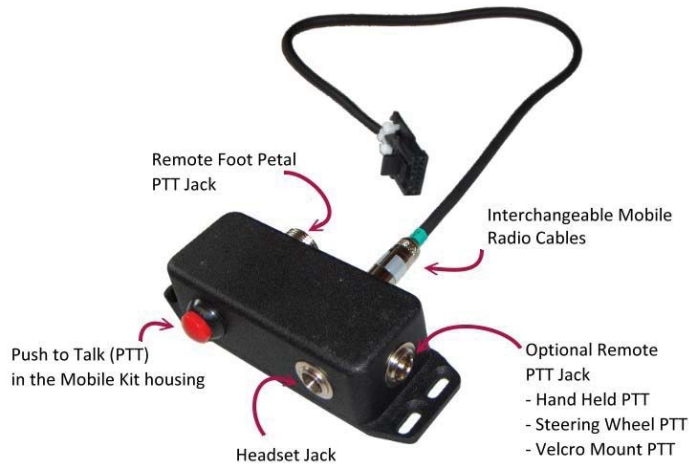
VOX INTERFACE, WHEN PTT IS NOT AN OPTION



Voice Operated Interface

HEADSETS AND INTERFACES

XMK-1 MOBILE INTERFACE



Product Features

- Rugged die cast aluminum alloy housing.
- Lap joint construction provides protection against access of dust and splashing water.
- Foot plate allows for easy mounting.
- The flanged lid allows for added security. The lid screws are hidden preventing easy access.
- Variety of Headset options.
- Interchangeable Mobile Radio Cables.
- Remote jacks for finger or foot PTT.
- Compact Size: 93 x 39 x 27 mm.



XPTT3 - FINGER PTT



Velcro mount steering wheel or handle bar Push-To-Talk. Solid ABS Plastic Housing, sealed Red PTT button and special twisted pair urethane coil cord. Cord is 36 inches uncoiled with industry standard 3-pin connector.

XPTT4- DASH PTT



Hole-mount steering wheel or dash mount Push-To-Talk. Threaded black plated brass housing, sealed Red PTT button and special twisted pair urethane coil cord. Cord is 30 inches uncoiled with industry standard 3-pin connector.

XPTT-F FOOT PTT



Super Heavy Duty Foot Push-To-Talk. Cast Iron housing with nonskid base pad. Black Finish. Straight Cord is 72 inches. Size: 4.5 x 3.5 x 1.5 inches. Weight: 2.25 lbs.

LATEST TECHNOLOGY



Sensear's latest technology sets a new benchmark in hearing protection and assisted listening. For the very first time Sensear has made clear communication possible in high noise environments (above 85d(B)A) where hearing protection is essential. Sensear has perfected the combination of speech enhancement technology and noise suppression technology integrated with a complex series of patented algorithms, producing a cutting edge innovation called SENS® technology. Sensear has integrated its revolutionary SENS® technology into a range of products that will radically change the way people communicate and protect their hearing in high noise environments. Sensear's SENS® technology is the only technology that can effectively distinguish speech from background noise. Sensear's revolutionary solution combines an array of tiny microphones seamlessly connected to a small processor discreetly fitted within the products. The processor acts to distinguish speech from background noise via its cutting edge SENS® technology, selectively enhancing speech and simultaneously suppressing noise.

MODEL # SM1x

Sensear Smart Muff Range
Smart Product Features

- Durable adjustable headband
- Ruggedised for harsh environments
- Wireless Bluetooth® connection to mobile phones
- LED indicators for Bluetooth®, battery level and battery charge status
- Simple buttons for tactile adjustment without having to look or remove earmuffs
- Easy to use buttons even when wearing gloves
- High-Visibility for added safety
- Input for wired connection to MP3
- Two-way radio interface

- Lightweight
- Binaural functionality enables user to tell the direction of all sounds, including speech and alarms
- Extra soft ear cushions for longwearing comfort
- Separation of electronics from earmuff mouldings ensures maximum attenuation and reliability
- Impact, tonal and continuous noise suppression
- SENS™ technology built-in
- Lithium Polymer rechargeable battery and charger unit. Battery life minimum 12hrs+ continuous talk
- Noise Cancelling Boom Microphone

Smart Communication Features

Face to Face

Short Range (SM1-SR)

Two Way Radio

Cell/Mobile Phone (SM1 and SM1-SR)

Bluetooth Devices (SM1 and SM1-SR)

MP3 Player

Speech Enhancement

Noise Suppression

SENS Technology



MODEL # SP1x



www.sensear.com

FREEDOM WIRELESS HEADSET



HEADSET FEATURES

- Available in Over Head or Behind Head Styles
- Rugged Design for Professional Applications
- Auto Power shut off to save batteries
- Auto Reconnect when in range of transmitter
- Tone Alert for low battery
- Battery Charge time : 3 hours
- Battery Duty Cycle : 24 hours
- Replaceable Li-Ion Battery

FREEDOM WIRELESS HEADSET



BLUETOOTH TRANSMITTER FEATURES

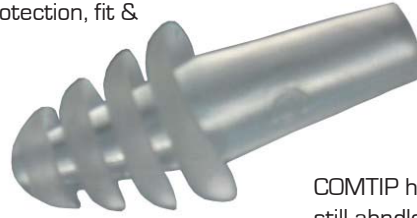
- Range 300 - 500 Ft. typical
- Receive Sensitivity better than -86dB
- Bluetooth Transmission : Class 1
- Operation Frequency 2.400 - 2.485 GHz
- Max Transmit Power +6dBm
- Min Transmit Power -27dBm
- Bluetooth Version : 2.0
- Fully Encrypted Signal

COMTIP EARPIECE



4 Flange Design Provides optimum protection, fit & comfort

COMTIP handle can be cut to desired length as required



Can be used on all types of receive only acoustic airtubes

COMTIP has sturdy and still ahndle to allow for easy grip for insertion and removal

Product Features

- Four flange design that allows this ear plug to fit almost all ear canals.
- Clear/translucent colour allows for optimum discretion.
- Ultra-soft polymer provides a comfortable and effective seal.
- Sturdy handle that allows an easy grip for insertion and removal.
- Material is resistant to ear wax and body oils and will outlast PVC ear plugs by many months.
- Polymer is non-allergenic and non-irritating.
- Quattro has been assigned Military national stock numbers.
- Re-useable and washable... can be used several times before it needs replacing.

Packaging Options



Comtip Bulk Packs
(include Comtips only)



Combo Packs
(include 1 Comtip & 1 Earplug)



Quattro Earplugs
(include pairs of Earplugs)



Airtube to Comtip Elbow

PART #	Description
SEC-CT-10	Comtip only (package of 10)
SEC-CT-50	Comtip only (package of 50)
SEC-CT-250	Comtip only BULK (package of 250)

PART #	Description
SEC-CP-25	Combo Pack (Package of 25)
EP-100P	Quattro Plug (box of 100 pairs)
EP-AT	Right Angled Airtube Elbow

COMTIP Part # SEC - CT
Noise Attenuation Test Data



Tested to ANSI S3.19-1974

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR
Mean Value (dB)	28.6	30.1	29.0	27.5	31.6	37.9	35.4	39.3	40.4	21
Standard Deviation	3.8	5.1	4.7	3.4	4.2	5.0	4.1	5.0	3.9	

QUATTRO Part # SEC - QP
Noise Attenuation Test Data



Tested to ANSI S3.19-1974

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR
Mean Value (dB)	29.4	30.8	31.8	32.1	33.1	37.8	36.8	39.5	39.5	25
Standard Deviation	4.3	4.0	3.9	3.3	2.6	3.6	3.3	4.5	2.8	

COMTIP Test Report Dated 5th May 2009

Testing Authority : Michael & Associates, Inc,

MOTOROLA COMPATIBLE CONNECTORS



KENWOOD COMPATIBLE CONNECTORS



ICOM COMPATIBLE CONNECTORS



VERTEX COMPATIBLE CONNECTORS



SINGLE PIN CONNECTORS



ACCESSORY CONNECTORS



TB5/TA5.....	Audio connector / 5 pole / Locking
NATO 4 Pole.....	Audio connector / 4 pole / 6lb breaking force
AJ117/AP117.....	Audio connector / 7 pole / 8lb breaking force
AJ117PLR/AP117PLR ...	Audio connector / 7 pole / Locking



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